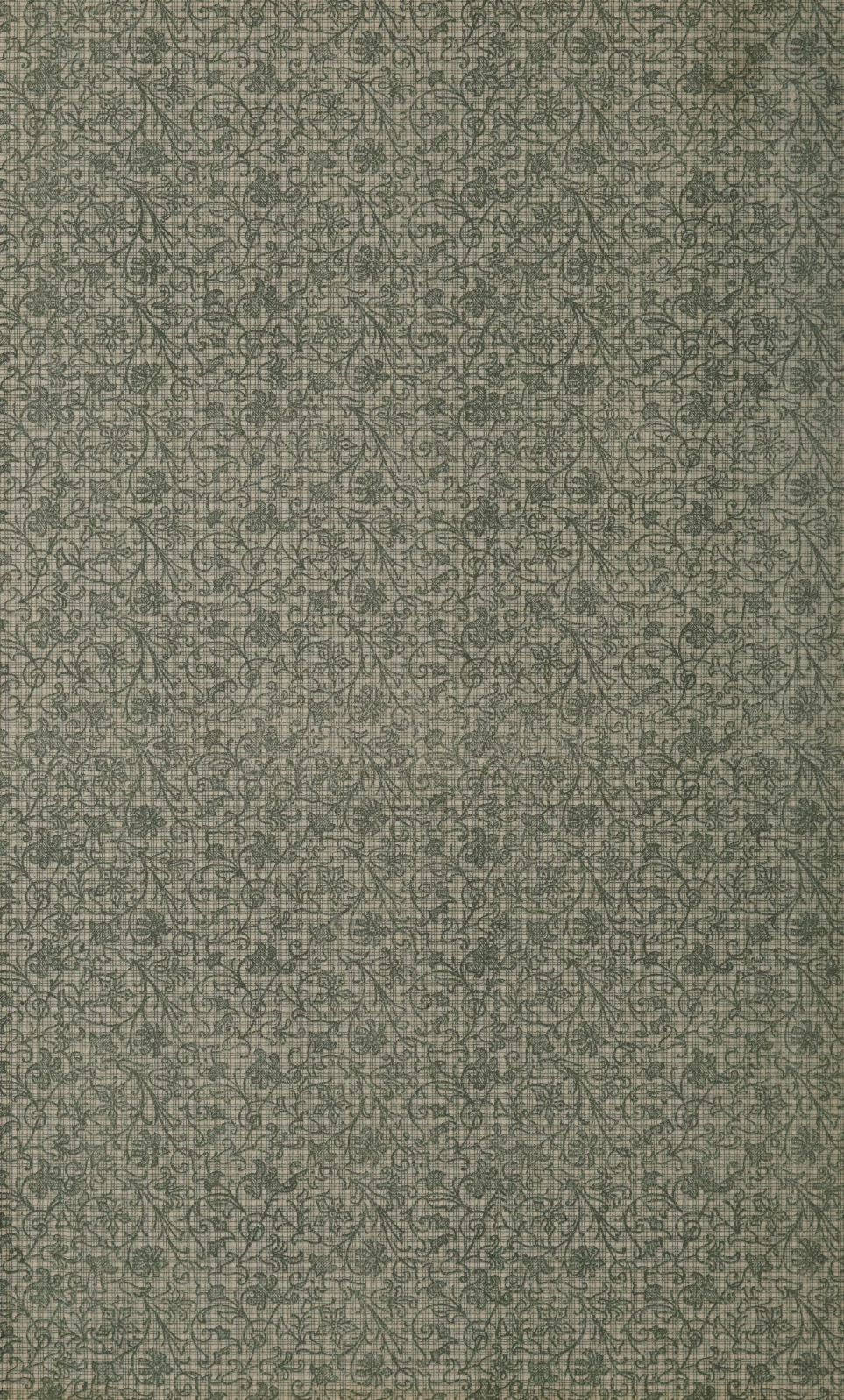








CITY DOCUMENTS.

MAYOR'S ADDRESS

TO THE CITY COUNCIL,

CITY GOVERNMENT,

ANNUAL REPORTS, ETC.,

FOR THE YEAR 1898-99.



NEW BEDFORD:

E. ANTHONY & SONS, Incorp., CITY PRINTERS.

1899.

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ADDRESS
OF
CHARLES S. ASHLEY,
Mayor of New Bedford,
TO THE
CITY COUNCIL,
January 2d, 1899,

Together with a Statement of the City's Financial Condition
prepared by James H. Hathaway, City Treasurer.

NEW BEDFORD:
E. ANTHONY & SONS, Incorp., CITY PRINTERS.
1899.

MAYOR'S ADDRESS.

Gentlemen of the City Council:

Chosen by the will of the people to administer the affairs of the city, we are assembled here to inaugurate our control and to dedicate ourselves to the work which is before us.

Another year of financial depression and business prostration has passed.

Our people with reduced incomes have borne the heavy burden of necessities with a courage and patience which indicates that they retain the elements of success, that the expected opportunities of the future hold a fullness of comfort and prosperity for them.

Contrary to custom, I will give no retrospective review of the work of the various departments for the past year, nor will any recommendation as to their prospective needs be made at this time.

The reports of the various departments of the city government will soon be before you and will furnish information concerning the expenditures and receipts for the past year, the work that has been done, and the work that we may properly be expected to continue or complete.

A statement has been prepared for you showing the financial condition of the city. A careful examination of

the reports and statement; a thoughtful consideration of the expected revenues and requirements, will greatly aid you in making reasonable financial provision for the coming year.

There are certain ordinary and necessary obligations which must be met. The credit of the city must be maintained; the maturing city debt and the interest on the permanent and water debt must be promptly paid; the streets must be kept in repair; the public schools supported, sewers built, and life and property must be protected.

If occasion arises any unusual requirement of the city or its departments will be communicated to you.

Many of you were members of the city council of last year and have that experience which will facilitate the performance of the duties which devolve upon us.

I earnestly request your prompt attendance at the council and committee meetings, and early reports upon such matters as may be referred to you, so that the public business shall not be delayed.

We should be prudent and careful, study the conditions which confront us, and bring to our duties the exercise of our best judgment and wisest forethought, so that we may merit the confidence of the people who have placed us here.

Relying on the Divine aid which has here been invoked, let us enter upon the duties of the new year strong in our purpose to give our best efforts for the good government of the city.

FINANCIAL STATEMENT.

Financial statement of the City of New Bedford for the year ending December 5, 1898, showing the total amount of receipts and expenditures, together with a statement of the present condition of the municipal debt.

TAXES.

The assessments for 1898 were as follows :

State tax,	\$31,905.00	
County tax,	115,007.51	
City appropriations,	943,251.00	
Overlay,	41,693.31	\$1,131,856.82
Collections,		1,064,416.84
Balance unpaid,		\$67,439.98

About 5 9-10 per cent. of the taxes of 1898 now remain unpaid, one and four-tenths per cent. or \$23,479.23 in excess of 1897,—due largely to the present condition of business in our city.

The county tax was very large, \$115,007.51, that was

\$51,997.26 in excess of that of the previous year, this together with the state tax added to taxation \$2.57 per one thousand dollars, or 13 30-100 per cent. to the whole levy of 1898.

Of the taxes of 1897 and previous years, the collections amounted to \$22,100.05.

After the payment of more than one-half of the tax levy for the year, measures were taken to extend the time for the discount to an indefinite period for the taxes of 1898, that is, to allow the discount on all taxes for that year whenever paid, the collector, after the deduction of the usual discount, was to add to the net sum interest at the rate of seven per cent. per annum on and after November 1, 1898, the discount on taxes assessed thereafter was to be discontinued entirely. These measures did not meet the views of the City Council, on account of the seeming injustice to those who had paid their taxes for the year, therefore, the order presented was not adopted.

The receipts from the Commonwealth of Massachusetts in 1898 for corporation and other taxes were as follows :—

Corporation taxes,	\$46,390.97	
Taxes on non-resident banks,	2,256.53	
Taxes on ships in foreign trade,	595.07	\$49,242.57

This was \$6,785.83 less than the amount received in 1897, due to the depreciation in the value of corporate stocks owned by residents. \$20,000 of the sum received was, by order of the City Council applied to the discount on taxes of 1898, the balance, \$29,242.57 was placed to the credit of Unappropriated Funds.

RECEIPTS AND EXPENDITURES.

The receipts and expenditures for the year, including balance in the treasury December 6, 1897, were as follows :

Balance December 6, 1897,	\$144,252.41	
Taxes of 1898 and previous years,	873,977.56	
Commonwealth of Massachu- setts, for discount,	20,000.00	
Liquor licenses,	56,724.75	
Temporary loans,	775,000.00	
Water rates and other sources,	107,991.46	
Sewer taxes, betterments and other sources,	392,635.39	\$2,370,581.57

EXPENDITURES.

Temporary loans,	\$500,000.00	
Public debt, principal and in- terest,	194,498.50	
Sinking funds,	90,400.00	
Other sources,	1,509,711.47	
Total expenditures,	\$2,294,609.97	
Balance, cash in the treasury Dec. 5, 1898,	75,971.60	\$2,370,581.57

The actual requirements for public debt in 1898, as shown by the foregoing account, (\$194,498.50), was provided for as follows :—

Appropriation by City Council,	\$158,719.00	
Commissioners of Sinking Funds, for maturing bonds,	15,000.00	
Income from wharves, interest on bonds,	2,080.00	
Water rates, to pay bonds and interest,	25,000.00	\$200,799.00

DEDUCTIONS.

Bonds and coupons unpaid,	\$5,030.00	
Balance to unappropriated funds,	1,270.50	\$6,300.50
Total amount expended,		\$194,498.50

The credit of \$5,030, to public debt, was retained to provide for the payment of bonds and coupons due October 1, 1898, not yet presented.

APPROPRIATIONS GENERAL, 1898.

Public debt,	\$158,719.00	
Sinking funds,	90,000.00	
Municipal,	694,132.00	\$943,251.00

APPROPRIATIONS SPECIAL, 1898.

Sundry departments,	\$151,296.04	
Purchase street, widening, etc.,	34,411.00	
Schoolhouse lot, Coggeshall		
and Bowditch streets,	12,610.02	
Gravel lot, Hillman street,	6,764.12	
Other improvements,	68,302.76	
Sewers,	31,127.00	\$304,510.94

Appropriations for the year,	\$1,247,761.94

Special appropriations for 1898,	\$304,510.94
Transferred from unappropriated funds,	72,026.56

Balance of special appropriations of 1898 to be provided for,	\$232,484.38
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The appropriations for permanent improvements, including sewers, street widening, new schoolhouse lots, etc., amounted to \$153,214.

PUBLIC DEBT.

Water loan, average interest		
$4\frac{38}{100}\%$,	\$1,660,000.00	
Park loan, 4s,	100,000.00	
Wharf bonds, 4s,	52,000.00	\$1,812,000.00
Schoolhouse bonds, 4s,	\$128,000.00	
Schoolhouse bonds, $3\frac{1}{2}$ s,	92,000.00	220,000.00

Improvement bonds, 6s,	\$140,000.00	
Improvement bonds, 4s,	656,000.00	
Improvement bonds, 3½s,	62,000.00	858,000.00
Sewer bonds, 4s,	\$550,000.00	
Sewer bonds, 3½s,	110,000.00	660,000.00
Gross debt, December 6, 1898,		\$3,550,000.00

DEDUCTIONS.

Water loan,	\$1,660,000.00	
Park loan,	100,000.00	
Wharf bonds,	52,000.00	
Sinking funds,	647,804.00	2,459,804.00
Net bonded debt,		\$1,090,196.00
Two and one-half per cent. of \$56,915,963.66, the av- erage valuation by the as- sessors for the three pre- vious years,		\$1,422,899.09
Net bonded debt,		1,090,196.00
Amount short of the debt limit,		\$332,703.09

Gross debt as above stated,	\$3,550,000.00
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TRUST FUNDS.

Sylvia Ann Howland, bequest,		
schools,	\$50,000.00	
Sylvia Ann Howland, bequest,		
library,	50,000.00	
Other funds,	42,000.00	142,000.00
Temporary loan,		275,000.00
Total debt December 5, 1898,		\$3,967,000.00

DEDUCT ASSETS.

Due from state, soldiers' aid,		
etc.,	\$11,656.00	
Betterments, sewer taxes due,		
etc.,	15,000.00	
Taxes collectable,	75,000.00	
Sinking funds,	647,804.00	
Balance of cash,	75,971.60	825,431.60
Net debt, December 5, 1898,		\$3,141,568.40
Net debt, December 6, 1897,		3,009,144.39
Increase for the year,		\$132,424.01

The requirements for the public debt and sinking funds in 1899 will be about the same as for the previous year, \$249,000.

It is estimated that the receipts in 1899, for corporation taxes, liquor licenses and from other sources will be \$160,000.

JAMES H. HATHAWAY,

City Treasurer.

City of New Bedford, Mass.,

December 6, 1898.

CITY GOVERNMENT,

1899.

MAYOR.

HON. CHARLES S. ASHLEY.

ALDERMEN.

Ward 1—HENRY P. JENNEY.

Ward 2—LOUIS Z. NORMANDIN.

Ward 3—CHARLES H. BROWNELL.

Ward 4—CHARLES H. LAWTON.

Ward 5—GEORGE H. HEDGE.

Ward 6—CHARLES E. ELLIS.

CITY CLERK.

DANIEL B. LEONARD.

CITY TREASURER AND COLLECTOR OF TAXES.

JAMES H. HATHAWAY.

CITY AUDITOR.

CHARLES J. MCGURK.

CITY MESSENGER.

AUGUSTUS D. PIPER.

COMMON COUNCIL.

PRESIDENT—JOHN L. G. MASON.

Ward One.

James Davidson,
Harmidas P. Dion,
Ernest Findeisen,
Joseph H. Sullivan.

Ward Four.

George F. Richards,
William E. Smith,
John A. Taylor,
Matthew Pope Wood.

Ward Two.

George F. Backus,
Frederick A. Dammon,
Crawford L. Dunham,
Samuel Higham.

Ward Five.

Charles M. Davenport,
Joseph Dias,
Horatio Hathaway, Jr.,
Frederick D. Stetson.

Ward Three.

William T. Caswell,
Charles W. Jones,
John L. G. Mason,
Weston C. Vaughan, Jr.

Ward Six.

Robert Cooke,
John Hannigan,
Edward F. Penney,
John Welch, (died March 17, 1899.)

Clerk—WILLIAM A. MACKIE.

STANDING COMMITTEES OF THE BOARD OF MAYOR AND ALDERMEN.

Police—The Mayor, and Aldermen Hedge and Ellis.*Licenses*—Aldermen Ellis, Jenney and Hedge.*Burial Grounds*—Aldermen Hedge, Jenney and Lawton.*Enrollment*—Aldermen Ellis, Normandin and Brownell.*Soldiers' Aid*—The Mayor, and Aldermen Brownell and Lawton.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Finance—The Mayor, and Alderman Lawton, the President of the Common Council, and Councilmen Findeisen, Dunham, Smith, Davenport and Cooke.*Audit*—Aldermen Jenney and Brownell, and Councilmen Higham, Smith and Penney.*City Property*—Aldermen Brownell and Jenney, and Councilmen Higham, Smith and Richards.

Fuel—The Mayor, and Alderman Ellis, and Councilmen Higham, Dias and Cooke.

Education—Aldermen Lawton and Normandin, and Councilmen Backus, Stetson and Hathaway.

Fire Department—Aldermen Ellis and Normandin, and Councilmen Davidson, Taylor and Cooke.

Charities, Almshouse and the Poor—Aldermen Brownell and Lawton, and Councilmen Taylor, Dias and Wood.

Street Lights—Aldermen Jenney and Normandin, and Councilmen Sullivan, Penney and Hannigan.

Printing—Alderman Normandin, and Councilmen Dunham and Jones.

Buildings in the Fire District—Aldermen Lawton and Hedge, and Councilmen Jones, Vaughan and Caswell.

Armories and Military Property—Aldermen Normandin and Hedge, and Councilmen Sullivan, Dion and Taylor.

Water Works and Water Supply—Aldermen Jenney and Brownell, and Councilmen Findeisen, Sullivan and Vaughan.

Claims—Aldermen Lawton and Hedge, and Councilmen Dion, Davenport and Cooke.

Ordinances—Aldermen Hedge and Normandin, and Councilmen Dammon, Richards and Wood.

Wharves—Aldermen Lawton and Ellis, and Councilmen Davidson, Caswell and Hannigan.

STANDING COMMITTEES OF THE COMMON COUNCIL.

Election and Returns—Councilmen Stetson, Backus and Dias.

Bills in Second Reading—Councilmen Dammon, Hathaway and Richards.

Enrolled Ordinances—Councilmen Dammon, Richards and Wood.

ASSESSORS.

Office, Library Building, Room 6.

CHARLES H. L. DELANO, Chairman, 1 year.

CHARLES F. SHAW, 2 years.

THOMAS F. HEALEY, 3 years.

ASSISTANT ASSESSORS.

Ward 1—JOHN H. FINNELL.

Ward 2—ARTHUR B. CHAPPELL.

Ward 3—HENRY C. RUSSELL.

Ward 4—GIDEON H. ALLEN.

Ward 5—WILLIAM J. ABRAMS.

Ward 6—JOHN J. BILSBORROW.

BOARD OF HEALTH.

Office, 52 Pleasant Street.

WILLIAM G. KIRSCHBAUM, Term expires February, 1900.

JOHN T. BULLARD, Term expires February, 1901.

MANUEL V. SYLVIA, Term expires February, 1902.

WILLIAM G. KIRSCHBAUM, Chairman.

WILLIAM E. BROWNELL, City Physician and Quarantine
Physician.

CLERK.

SUSIE J. SMALL.

HEALTH INSPECTOR.

WILLIAM E. MACOMBER.

INSPECTOR OF PLUMBING.

LOUIS H. RICHARDSON.

NEW BEDFORD WATER WORKS.**NEW BEDFORD WATER BOARD.**

His Honor, CHARLES S. ASHLEY, Mayor, *ex officio* President.

JOHN L. G. MASON, President of Common Council, *ex officio*.

THOMAS B. TRIPP, Term expires June, 1900.

ROBERT W. TABER, Term expires June, 1901.

SAMUEL C. HUNT, Term expires June, 1902.

CLERK.

ROBERT C. P. COGGESHALL.

WATER REGISTRAR.

JAMES H. HATHAWAY.

Office, Room 2, Library Building.

SUPERINTENDENT.

ROBERT C. P. COGGESHALL.

Office, City Hall Building.

INSPECTOR.

CLIFFORD BAYLIES.

Office, Room 2, Library Building.

COMMISSIONERS OF SINKING FUNDS.

WILLIAM H. PITMAN,

Term expires March, 1900.

MORGAN ROTCH,

Term expires March, 1901.

WILLIAM A. MACKIE,

Term expires March, 1902.

Chairman.

JAMES H. HATHAWAY, Secretary and Treasurer.

OVERSEERS OF THE POOR.

EZEKIEL C. GARDINER,

Term expires May 1, 1900.

A. H. W. CARPENTER,

Term expires May 1, 1901.

CHARLES S. PAISLER,

Term expires May 1, 1902.

CHARLES S. PAISLER, Chairman.

Secretary—A. H. W. CARPENTER.

Messenger—AUGUSTUS A. WOOD.

Clerk—ELLA F. BUCKLYN.

Supt. Almshouse and Farm—FREEMAN H. ASHLEY.

Physicians—JAMES F. SULLIVAN, J. B. THUOT.

FREE PUBLIC LIBRARY.

TRUSTEES.

Ex-officio. Terms expire January, 1899.

CHARLES S. ASHLEY, Mayor of the City.

JOHN L. G. MASON, President of the Common Council.

CHARLES H. LAWTON, Alderman and Chairman of the Committee of the City Council on Education.

Elected by the City Council.

ISAAC B. TOMPKINS, JR.,	Term expires April, 1900.
MATTHEW C. JULIEN,	Term expires April, 1900.
LEMUEL LEB. HOLMES,	Term expires April, 1901.
FRANCIS M. KENNEDY,	Term expires April, 1901.
WALTER S. ALLEN,	Term expires April, 1902.
WILLIAM L. SAYER,	Term expires April, 1902.

PRESIDENT OF THE BOARD.

THE MAYOR.

CLERK.

WILLIAM L. SAYER.

COMMITTEES.

On the Library—Messrs. JULIEN and HOLMES.

On Finance—Messrs. ALLEN and TOMPKINS.

On the Building—Messrs. TOMPKINS and SAYER.

LIBRARIAN.

ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN.

B. W. PENNOCK.

ASSISTANTS.

JOSEPHINE A. MERRICK,	SUSIE H. GAMMONS,
ETTA F. LAWRENCE,	FLORENCE E. FARWELL,
ANNA H. DEWOLF,	CLEMENT YAEGER.

JANITOR.

YORICK W. AMES.

BOARD OF PUBLIC WORKS.

Office, Odd Fellows Building.

His Honor, CHARLES S. ASHLEY, Mayor, *ex officio* Chairman.

JOHN L. G. MASON, President of the Common Council *ex officio*.

MORGAN ROTCH, Term expires May 1, 1900.

F. WILLIAM OESTING, Term expires May 1, 1901.

JOHN ELDRIDGE, JR., Term expires May 1, 1902.

CLERK.

WILLIAM S. COOK.

SUPERINTENDENT.

CHARLES F. LAWTON.

SUPERINTENDENT OF BRIDGE AND DRAW TENDER.

WILLIAM DOWNEY.

CITY SOLICITOR.

BENJAMIN B. BARNEY.

CEMETERY BOARD.

JAMES DELANO,

Term expires May 1, 1900.

JOHN G. NICHOLSON,

Term expires May 1, 1901.

CHARLES H. VINAL,

Term expires May 1, 1902.

Chairman—JAMES DELANO.

Secretary—CHARLES H. VINAL.

SUPERINTENDENT.

CHARLES F. CORNELL.

SEALER OF WEIGHTS AND MEASURES.

JOHN N. O'BRIEN.

SUPERINTENDENT OF PUBLIC BUILDINGS AND BUILDINGS IN THE
FIRE DISTRICTS.

EDMUND O'KEEFE.

INSPECTOR OF BUILDINGS.

EDMUND O'KEEFE.

SUPERINTENDENT OF CITY CLOCK.

WILLIAM B. WOOD.

CITY BELL RINGER.

O'THELLO S. DRISKELL, (resigned).

CORNELIUS A. WEBB, appointed Sept. 14, 1899.

CITY ENGINEER.

WILLIAM F. WILLIAMS.

HARBOR MASTER.

CHARLES H. CRAGEN.

INSPECTOR OF PETROLEUM AND VINEGAR.

FRANK R. DELANO.

Office, No. 17 Middle Street.

INSPECTOR OF MILK, ANIMALS AND PROVISIONS.

DANIEL C. ASHLEY.

Office, Southeast Corner Acushnet Avenue and Elm Street.

SUPERVISOR OF WIRES.

DANIEL D. BRIGGS.

REGISTRARS OF VOTERS.

JOHN A. GOMLEY,	Term expires May, 1900.
EMANUEL SULLAVOU,	Term expires May, 1901.
WILLARD N. LANE,	Term expires May, 1902.

JOHN A. GOMLEY, Chairman.

DANIEL B. LEONARD, Clerk.

Office, Basement City Hall Building.

PRECINCT OFFICERS.

Term of office expires Nov. 1, 1899.

WARD ONE, PRECINCT ONE.

Warden,	DANIEL J. SULLIVAN, D.
Clerk,	GEORGE B. BORDEN, R.
Inspector,	EDWARD P. CANNY, D.
"	EDWARD C. TABER, R.
"	MICHAEL E. DALEY, D.
"	CHARLES T. BROWNELL, R.

Deputies.

Warden,	JOHN K. SMITH, D.
Clerk,	CALEB SLADE, R.
Inspector,	FREDERICK C. DUNHAM, D.
"	WILLIAM F. CHASE, R.
"	D.
"	EDWARD HUGHES, R.

WARD ONE, PRECINCT TWO.

Warden,	GEORGE W. HILLMAN, R.
Clerk,	PETER F. SULLIVAN, D.
Inspector,	MICHAEL F. HARLOW, R.
"	JOHN E. MURPHY, D.
"	HENRY H. HACKING, R.
"	DANIEL J. CONNOLLY, D.

Deputies.

Warden,	JOSEPH C. PATNAUDE, R.
Clerk,	JOSEPH A. SULLIVAN, D.
Inspector,	DAVID C. McWHINNIE, R.
"	PATRICK H. MURPHY, D.
"	WILLIAM W. PEASE, R.
"	D.

WARD TWO, PRECINCT THREE.

Warden,	GEORGE P. MACOMBER, R.
Clerk,	LAWRENCE H. BARNEY, D.
Inspector,	CHARLES T. BURGESS, R.
"	BENJ. F. HATHAWAY, JR., D.
"	CHARLES L. FAUNCE, R.
"	ASA L. H. ALLEN, D.

Deputies.

Warden,	EDWARD H. CARTER, R.
Clerk,	MICHAEL McDONNELL, D.
Inspector,	EDWIN WHITTAKER, R.
"	D.
"	GEORGE E. SAXON, R.
"	DENNIS H. TOOMEY, D.

WARD TWO, PRECINCT FOUR.

Warden,	GEORGE K. DAMMON, R.
Clerk,	JOHN N. O'BRIEN, D.
Inspector,	PHILIP R. KING, R.
"	JOHN H. RYAN, D.
"	WILLIAM M. HIGHAM, R.
"	JOSEPH P. H. CLARKE, D.

Deputies.

Warden,		R.
Clerk,	THOMAS J. MURPHY, D.	
Inspector,	JAMES H. BAMFORD, R.	
"	PETER J. RILEY, D.	
"	JAMES C. McNUTT, R.	
"	WILLIAM J. GLASGOW, JR., D.	

WARD THREE, PRECINCT FIVE.

Warden,	JOSHUA B. ASHLEY, JR., D.
Clerk,	CHARLES R. HATHAWAY, R.
Inspector,	HENRY F. HAMMOND, D.
"	WILLIAM T. CASWELL, R.
"	OBED S. COWING, D.
"	AUGUSTUS G. MOULTON, R.

Deputies.

Warden,		D.
Clerk,	HARRY E. BORDEN, R.	
Inspector,	JOSHUA G. LAPHAM, D.	
"	PRINCE S. BORDEN, R.	
"	JOHN O'NEIL, D.	
"	CALEB G. SHEPHERD, JR., R.	

WARD THREE, PRECINCT SIX.

Warden,	HENRY SMITH, D.
Clerk,	B. FRANKLIN WORDELL, R.
Inspector,	TIMOTHY CROWLEY, D.
"	STEPHEN HAFFORD, JR., R.
"	WILLIAM W. ATWOOD, D.
"	CHARLES L. RICKETSON, R.

Deputies.

Warden,	WILLIAM E. COOPER, D.
Clerk,	JOSEPH C. FORBES, R.
Inspector,	MICHAEL A. BAKER, D.
"	EDGAR A. LINCOLN, R.
"	ANDREW F. MITCHELL, D.
"	ARTHUR A. DEXTER, R.

WARD FOUR, PRECINCT SEVEN.

Warden,	WILLIAM F. CASWELL, R.
Clerk,	WALTER R. MYRICK, D.
Inspector,	AUGUSTUS D. PIPER, R.
"	CHARLES F. DEAN, D.
"	ARTHUR C. SPOONER, R.
"	GEORGE R. YOUNG, D.

Deputies.

Warden,	JAMES B. RUSSELL, R.
Clerk,	D.
Inspector,	CHARLES F. GROW, R.
"	THOMAS J. PEED, D.
"	WALTER F. LAWTON, R.
"	EDWIN P. SOWLE, D.

WARD FOUR, PRECINCT EIGHT.

Warden,	GEORGE S. HOYT, D.
Clerk,	WILLIAM B. TOPHAM, R.
Inspector,	HENRY A. GRAY, D.
"	FRED D. BARROWS, R.
"	JAMES L. McCANN, D.
"	WILLIAM E. CARROLL, R.

Deputies.

Warden,	ARTHUR M. PIERCE, D.
Clerk,	SETH W. GODFREY, R.
Inspector,	JOHN W. CARTER, D.
"	WILLIAM YORK, R.
"	FELIX J. KANE, D.
"	WILLIAM A. CARROLL, R.

WARD FIVE, PRECINCT NINE.

Warden,	JOHN C. EMERY, R.
Clerk,	CHARLES F. F. JONES, D.
Inspector,	ANTONE H. SENNA, R.
"	CHARLES D. RUSSELL, D.
"	CHARLES A. BENNETT, R.
"	GEORGE P. RICHARDSON, D.

Deputies.

Warden,	GEORGE F. CURRY, R.
Clerk,	
Inspector,	HARRY C. VAUGHAN, R.
"	RODOLPHUS A. SWAN, D.
"	R.
"	FRANK P. P. TUELL, D.

WARD FIVE, PRECINCT TEN.

Warden,	CHARLES F. BRIGGS, D.
Clerk,	AMOS W. HADLEY, R.
Inspector,	MICHAEL T. FRANCIS, D.
"	DAVID M. PIPER, R.
"	GEORGE A. CAVANAUGH, D.
"	CHARLES A. S. SHERMAN, R.

Deputies.

Warden,	D.
Clerk,	MERTON L. HATHAWAY, R.
Inspector,	DANIEL G. DINIGAN, D.
"	ORRICK SMALLEY, JR., R.
"	CHARLES B. ALLISON, D.
"	LEANDER G. MARKHAM, R.

WARD SIX, PRECINCT ELEVEN.

Warden,	WILLIAM N. NELSON, D.
Clerk,	LEANDER A. WILLISTON, R.
Inspector,	JOHN. F. CARNEY, D.
"	ROLAND R. ASHLEY, R.
"	JOHN J. MEANEY, D.
"	ANDERSON H. SWIFT, R.

Deputies.

Warden,	D.
Clerk,	DAVID BROMLEY, R.
Inspector,	FRANK M. JENNINGS, D.
"	ALFRED CLARKSON, R.
"	MICHAEL STAPLETON, D.
"	WALTER W. SNAILHAM, R.

WARD SIX, PRECINCT TWELVE.

Warden,	HERBERT B. GARDNER, R.
Clerk,	NORMAN BARSTOW, D.
Inspector,	WILLIAM W. BONNEY, R.
"	GEORGE L. JENNINGS, D.
"	DANIEL E. NELSON, R.
"	WILLIAM C. DEMELLO, D.

Deputies.

Warden,	MARSHALL S. GREENE, R.
Clerk,	D.
Inspector,	CHARLES E. ALLEN, R.
"	MICHAEL CROWE, D.
"	FRANCIS THORLEY, R.
"	D.

WARD LINES.

CITY OF NEW BEDFORD,
IN BOARD OF ALDERMEN,

April 25, 1895.

Ordered, That in conformity with section 96 of chapter 417 of the Acts of the Legislature of the Commonwealth, in the year 1893, the several wards of the city, until the first day of May, 1895, and until otherwise ordered, be and they are hereby divided and established according to the following described lines, to take effect January 1, 1896:

Ward One. All that portion of the city lying north of a line beginning at the river, and drawn through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee

street, and thence through the centre of Durfee street to the west line of the city, will constitute Ward One.

Ward Two. All that portion of the city lying between a line drawn from the river through the centre of Linden street to Ashland street, thence through the centre of Ashland street to Durfee street, thence through the centre of Durfee street, to the west line of the city and a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, and thence through the centre of Smith street to the west line of the city, will constitute Ward Two.

Ward Three. All that portion of the city lying between a line drawn from the river through the centre of Campbell street to County street, thence through the centre of County street to Sycamore street, thence through the centre of Sycamore street to Cedar street, thence through the centre of Cedar street to Smith street, thence through the centre of Smith street to the west line of the city, and a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton street, thence through the centre of Kempton street to the west line of the city, will constitute Ward Three.

Ward Four. All that portion of the city lying between a line drawn from the river through the centre of High street to County street, thence through the centre of County street to Kempton street, thence through the centre of Kempton street to the west line of the city, and a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, and thence through the centre of Arnold street to the west line of the city, including Fish and Pope's Islands, will constitute Ward Four.

Ward Five. All that portion of the city lying between a line drawn from the river through the centre of School street to County street, thence through the centre of County street to Arnold street, thence through the centre of Arnold street to the west line of the city, and a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Grape street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, will constitute Ward Five.

Ward Six. All that portion of the city lying south of a line drawn from the river through the centre of Grinnell street to Fourth street, thence through the centre of Fourth street to Washington street, thence through the centre of Washington street to Dartmouth street, thence through the centre of Dartmouth street to Oak street, thence through the centre of Oak and Grape streets to Rockdale avenue, thence through the centre of Rockdale avenue to Allen street, and thence through the centre of Allen street to the west line of the city, including Palmer's Island, will constitute Ward Six.

Adopted in concurrence.

Approved by the Mayor, April 27, 1895.

VOTING PRECINCTS.

CITY OF NEW BEDFORD,

IN BOARD OF ALDERMEN,

APRIL 23, 1896.

Whereas, By the provisions of chapter 417 of the Acts of the Legislature of 1893, it is made imperative that this Board divide the city into convenient voting precincts for the holding of all meetings for the choice of all officers who are elective by the people, it is hereby

Ordered, That the several wards of the city be, and they are hereby divided into voting precincts for the holding of all meetings for the choice of all officers who are elective by the people, and that the dividing lines of said precincts be as hereinafter defined.

IN WARD ONE.

Said line shall begin at a point in the channel of the Acushnet river formed by the extension of the centre of Cedar Grove street, thence westerly in said extended line, and in the centre of Cedar Grove street to the centre of Cottage street, thence through the centre of Cottage street to the centre of Sutton street, thence west in the centre of Sutton street to the centre of Shawmut avenue, thence south in the centre of Shawmut avenue to the centre of Durfee street, thence west in the centre of Durfee street in a straight line to the boundary line between the town of Dartmouth and the city of New Bedford. The precincts in said ward being further defined as follows: All that part of said ward lying north and west of the said division line shall be and is hereby made a voting precinct to be known as precinct Number One; all that part of said ward lying south and east of the said division line shall be and is hereby made a voting precinct to be known as Precinct Number Two.

IN WARD TWO.

Said line shall begin at a point formed by the extension of a line through the centre of County street at its intersection with Linden street, thence south through the centre of County street to the centre of Locust street, thence through the centre of Locust street to the centre of Chestnut street, thence south through the centre of Chestnut street to a point in said Chestnut street at its intersection with a line formed by the extension of a line through the centre of Sycamore street. The precincts in said ward being further defined as follows: All that part of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Three; all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Four.

IN WARD THREE.

Said line shall begin at a point in the centre of County street intersecting with a line formed by the extension of a line through the centre of Sycamore street, thence south through the centre of County street to its intersection with a line formed by the extension of a line through the centre of High street. And is further defined as follows: All that portion of said ward lying east of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Five; all that portion west of said division line as drawn through the centre of County street shall be and is hereby made a voting precinct to be known as Precinct Number Six.

IN WARD FOUR.

Said line shall begin at a point in the centre of Kempton street at its intersection with a line formed by the extension of a line through the centre of Summer street, thence south through the centre of Summer street to its intersection with a line formed by the extension of a line through the centre of Elm street, thence west through the centre of Elm street to the centre of Cottage street, thence south in the centre of Cottage street to a point at its intersection with a line formed by the extension of a line through the centre of Arnold street. And is further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Seven; all that portion lying west of said division line is hereby made a voting precinct to be known as Precinct Number Eight.

IN WARD FIVE.

Said line shall begin at a point in the centre of County street, and in the centre of School street, thence south in the centre of County street

to the centre of Bedford street, thence east in the centre of Bedford street to the centre of South Sixth street, thence south in the centre of South Sixth street to its intersection with the centre of County street, thence in the centre of County street to its intersection with a line drawn through the centre of Washington street. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Nine; and all that part of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Ten.

IN WARD SIX.

Said line shall begin at a point in the centre of Fourth street at its intersection with the centre of Grinnell street, thence south in the centre of Fourth street to the centre of Rivet street, thence westerly in the centre of Rivet street to the centre of County street, thence southerly in the centre of County street to Clark's cove, so called. The precincts in said ward being further defined as follows: All that portion of said ward lying east of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Eleven; all that portion of said ward lying west of said division line shall be and is hereby made a voting precinct to be known as Precinct Number Twelve.

ADOPTED.

FIRE DEPARTMENT.

CHIEF ENGINEER.

FREDERICK MACY, Term expires January, 1903.
Office, City Hall Building.

ASSISTANT ENGINEERS.

First—LORING T. PARLOW, Term expires April, 1903.
Second—EDWARD F. DAHILL, Term expires April, 1902.
Third—JAMES J. DONAGHY, Term expires April, 1901.
Fourth—WILLIAM A. GIBBS, Term expires April, 1900.

CLERK OF BOARD OF ENGINEERS.

FRED. B. MACY.

MEMBERS OF THE NEW BEDFORD PROTECTING SOCIETY.

(Special Police Officers, to serve at fires.)

Akin, Francis T.	Haskell, Charles M.	Potter, William F.
Allen, George H. H.	Hillman, Geo. W.	Read, William F.
Allen, Gideon	Holden, Charles H.	Robbins, Arthur E.
Bamford, James H.	Howland, John J.	Robinson, William A.
Bamford, William	Humphrey, J. L. Jr.,	Rotch, Morgan
Bennett, George W.	Hutchinson, Henry S.	Richardson, Louis H.
Bentley, Lewis E.	Kelley, Charles S.	Sanford, Gardner T.
Bourne, Standish	Kingman, G. D.	Smith, Alexander T.
Bly, O. Frank	Knowles, Thomas H.	Snow, Robert
Card, Byron F.	Lawton, Charles H.	Sullivan, D. J.
Coggeshall, R. C. P.	Lewis, Edgar R.	Swift, Leander H.
Denison, Henry C.	Lewis, William J.	Taber, Frederick
Dias, Joseph	Lowe, John H.	Taylor, William T.
Dunham, Ernest A.	Macy, Frederick B.	Thilo, F. E.
Dunham, Fred C.	Manchester, P. F.	Thornton, Alfred
Eldridge, John, Jr.,	Maxfield, Edmund F.	Vincent, Mark T.
Francis, James P.	Nye, Willard, Jr.,	Washburn, F. A.
Gardner, Edward R.	Parker, David L.	West, William R.
Gibbs, John E.	Paine, Charles L.	Whitehead, William
Gifford, Charles H.	Peirce, Stephen D.	Wilbor, Alfred G.
Gifford, Frank H.	Penney, Edward F.	Wilde, Edmond L.
Gifford, Thomas J.	Phillips, George A.	Wood, Edmund
Hadley, A. W.	Pierce, Edward T.	Wood, Horace
Hammond, Edgar B.	Pierce, Otis N.	Wood, Thomas F.
Hammond, Henry F.	Pitman, William H.	

POLICE DEPARTMENT.

CHIEF.

HENRY W. MASON.

CAPTAINS.

TIMOTHY C. ALLEN,

JAMES L. WILBER.

LIEUTENANTS.

LEMUEL D. ADAMS,

CHARLES L. MCBAY,

SETH E. BRYANT,

JOHN C. PARKER,

THOMAS W. COMSTOCK,

THOMAS J. TAFT,

THOMAS FAY,

JOSEPH B. WING,

ARTHUR H. JONES.

INSPECTORS.

HATHAWAY, FRANKLIN L.

GENDRON, GEORGE E.

SERGEANTS.

FOLEY, EDMUND

ROSCOE, WILLIAM E.

GIFFORD, CHARLES C.

UNDERWOOD, WILLIS C.

PATROLMEN.

ALDRICH, OSCAR F.

LOWTHER, GEORGE H.

ALLEN, EDGAR W.

MATHER, JOSEPH

ALLEN, EDWARD

McCARTHY, EDWARD

ALLEN, ROBERT N.

McCARTHY, JEREMIAH

ALMOND, WALTER

McDONALD, DANIEL J.

ALMOND, WILLIAM, JR.

McDONALD, DENNIS J.

ARNETT, HENRY

McDONNELL, JAMES

ARNETT, JAMES W.

McDONNELL, PATRICK

ATWOOD, WILLIAM W.

McENNIS, ROBERT B.

BRIGGS, JOHN W.

MEEHAN, DANIEL

CALLANAN, THOMAS F.

McLEOD, SAMUEL D.

CANNAVAN, PATRICK

MOYNAN, ROBERT

CHURCH, CHARLES B.

MURPHY, CORNELIUS J.

CLOUGH, GEORGE H.

OLIVER, JOHN F.

CLARK, ULYSSES L.

PINKHAM, GEORGE W.

COLE, WILLIAM T.

RAYMOND, HIRAM E.

COWING, WILLIAM J.

REMINGTON, FRANK L.

COX, JAMES M.

RHODES, HENRY W.

DAHONEY, THOMAS

RICKETSON, HARRISON D.

DALEY, JEREMIAH E.

ROOKS, JOHN C.

DEMERS, FRANK E.

RUSSELL, EUGENE F.

DENEEN, DANIEL

SAVAGE, JAMES W.

DODDS, JAMES

SISSON, JOSEPH DE L.

DOHERTY, EDWARD P.

SMITH, ANDREW J.

EARLEY, EDWARD C.

SMITH, CHARLES F.

ELDRIDGE, WASHINGTON A.

STOW, HARRY D.

ENOS, FRANK

SULLIVAN, JOHN D.

FANNING, JAMES F.

SULLIVAN, TIMOTHY

FOWLER, WILLIAM

SWEENEY, DANIEL P.

GIFFORD, GEORGE P.

SYLVIA, FRANK W.

HOWLAND, WILLIAM A. E.

TABER, JEREMIAH M.

HUTCHINSON, JOHN J.

VOGEL, GEORGE

IVEY, JAMES A.

VOGEL, ROBERT

KENNEDY, PATRICK

WESTON, STEPHEN J.

KENNEY, PATRICK

WILLIS, RUFUS H.

KENT, CHANCELLOR

WINSLOW, GEORGE F.

LAWRENCE, GEORGE H.

WIXON, JAMES A.

LEE, ALLEN L.

RESERVE POLICE.

ALLEN, CHARLES E.	NICKERSON, CHARLES F.
BENOIT, WILLIAM	ROOKS, ALBERT H.
DURANT, LAWRENCE J.	SHARPLES, SMITH
GIBBS, NATHANIEL F.	SPOONER, JOHN C.
HAFFORD, STEPHEN, JR.	TRIPP, CHESTER L.
MOSHER, ALBERT E.	WILCOX, SETH A.

COURT OFFICER.

LIEUT. LEMUEL D. ADAMS.

EMERGENCY OFFICER, STATION ONE.

KENNEDY, PATRICK.

HEALTH OFFICER.

MACOMBER, WILLIAM E.

WAGONMEN.

JONES, JOHN M. PAIGE, GEORGE W.

DRIVERS.

JENNINGS, EDWARD F. RYAN, WILLIAM M.

HOUSEKEEPERS.

BUMPUS, HENRY W.	MITCHELL, WILLIAM H.
DAYTON, LUTHER M.	STEVENS, HENRY
HUMPHREY, DANIEL J.	WILSON, THOMAS H.

SPECIAL HOUSEKEEPERS.

JONES, ISAAC M. MANCHESTER, JOHN B.
ROBBINS, CHARLES H.

MATRON.

MRS. MARGARET S. BULLARD.

JANITOR.

DREW, MOSES C.

CLERK.

WEST, HENRY N.

CONSTABLES.

THE MEMBERS OF THE POLICE FORCE,

AND

FRISSELL, AMASA R.	PATNAUDE, JOSEPH C.
LA ROCHE, LOUIS	PERRY, SAMUEL C.
MCDONNELL, MICHAEL	SHERMAN, EDWARD T.
MOORE, LEWIS S.	SPOONER, ARTHUR C.

KEEPER OF THE LOCKUP.

WILBER, JAMES L.

PROBATION OFFICER.

WILLIAMS, EDWARD.

SPECIAL POLICE OFFICERS.

Baker, Daniel W.	England, George	Kennedy, Augustus M.
Bartel, Leopold	Etchell, Edward	Kennedy, Thomas
Benoit, William R.	Fay, Miles H.	Kent, James D. T.
Bentley, Frank T.	Ferguson, Joseph	King, Joseph T.
Berry, James H.	Ferguson, William	Lapham, George W.
Bliss, Frederick P.	Finn, Michael	Lawrence, Cyrus T.
Bliss, William H.	Fitzgerald, James	Leary, Dennis, Jr.
Booth, Benjamin T.	Fournier, Napoleon J.	Lincoln, Ellery C.
Borden, Prince S.	Francis, Frank W.	Little, Frank
Brown, William L. G.	Frissell, Amasa R.	Little, John E.
Buckley, Alfred R.	Fuller, Jonathan A.	Loftus, Anthony
Burgess, Stephen	Garant, Joseph	Lumbert, John
Burke, Michael I.	Garvin, Patrick F.	Luther, Joseph P.
Burke, William	Geddis, Henry S.	McDermott, Michael
Butts, Henry R., Jr.	Gibbs, Nathaniel F.	Macomber, H. M.
Chipman, James F.	Gibbs, Preston H.	Miller, George
Clark, Michael	Gibbs, William H. H.	Morgan, Elias T.
Clark, William	Gifford, John	Morrison, Thomas
Clarkson, Nicholas J.	Glennon, Thomas F.	Mosher, Albert E.
Clynes, Thomas	Grant, Lafayette	Netcher, George F.
Cole, William T.	Greene, Marshall S.	Nicholson, John B.
Collins, John	Harrington, Cornelius	Nickerson, Charles F.
Conklin, Abraham	Harrington, Daniel	Nye, George E.
Connelly, Daniel J.	Harrington, J., Clark st.	Oliver, John
Corish, John	Hillman, George W.	Palmer, Robert
Corley, Maurice C.	Hines, Henry S.	Parker, Charles W.
Cornell, Charles F.	Holloway, James T.	Partington, William
Cornell, Sidney I.	Holmes, Ezra	Peckham, Samuel W.
Crafts, James	Holmes, John J.	Peed, Thomas J.
Crafts, James F.	Horton, Eliphalet M.	Peirce, Anthony, Jr.
Cronin, Cornelius	Houle, Dolor A.	Perry, Samuel C.
Dammon, George K.	Howard, Henry	Phillips, Henry T.
Davenport, Charles H.	Howland, William G.	Pierce, Thomas H.
Davis, Otis A.	Hurll, Daniel	Pinelle, Joseph
Dean, Thomas F.	Jay, James A.	Piper, Augustus D.
Devoll, George H.	Jenney, Ezra T.	Piper, Julian A.
Donaghy, Joseph	Johnson, Oscar	Place, William J.
Downey, Daniel	Johnson, W. H., Smith	Pollock, John H.
Driscoll, Patrick J.	street	Preece, Thomas
Duckworth, Wm. A.	Jones, Isaac M.	Quinn, Joseph
Duffy, Thomas	Joseph, John	Rau, Gustavus L.
Durant, Lawrence J.	Karcher, Frederick, Sr.	Read, George P.
Durfey, Richard T.	Karcher, Frederick, Jr.	Read, Richard A.
Eldridge, Samuel T.	Kelley, Hiram C.	Remington, John G.

Reynolds, James R.	Spooner, Joseph W.	Tuell, Charles D.
Ritchie, David	Staples, Ellis	Warfield, James H.
Robbins, Charles H.	Stephens, Michael	Waters, Charles O.
Rooks, Albert H.	Sullivan, James H.	Watts, William H. C.
Russell, James B.	Sullivan, Matthew	Weeden, Charles H. L.
Sadler, William G.	Tallman, Edward S.	Welsh, William
Salmon, John	Taylor, Theodore	Wilbur, Allen R.
Saxon, James H.	Taylor, William A.	Wilcox, Seth A.
Sharples, Smith	Taylor, William J.	Wiley, James
Shea, Michael J.	Thomas, Edward, Jr.	Williams, Benj. F., Jr.
Small, David S.	Thompson, Thomas	Williston, Hiram L.
Smith, Henry	Tinkham, Otis	Wilson, John
Smith, Henry H.	Tripp, Benjamin E.	Wood, Charles N.
Spicer, Robert H.	Tripp, Chester L.	Wood, James A.
Spooner, John C.	Tripp, Leroy G.	

MEASURERS OF WOOD AND BARK.

Ashley, Roland R.	Comey, Charles M.	Morse, C. M., Jr.
Ashley, Andrew J.	Coxen, Charles H.	Notter, John
Borden, Harrison T.	Forbes, Joseph C.	Rodman, Frank P.
Chace, Ira M.	Gibbs, John E.	Smith, John
Cobb, George A.	Grinnell, A. B., Jr.	Taber, Edward C.
Coffin, Stephen P.	Hall, George N.	Wilson, Wallace B.

SURVEYORS OF LUMBER.

Beetle, John H.	Doane, Joshua G.	Gray, Charles A., Jr.
Chase, Abram	Graham, Robert P.	Terry, Charles A. V.

MEASURERS OF GRAIN.

Chace, Ira M.	Rodman, Frank P.
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WEIGHERS OF COAL.

Agard, Charles W.	Forbes, Joseph C.	Rodman, Frank P.
Bowman, Fred G.	Gibbs, John E.	Rounsevell, Walter S.
Bröoks, Nathan B.	Gifford, Nathaniel W.	Smith, John
Buchanan, J. Wallace	Gray, Charles A., Jr.	Terry, Herbert C.
Chace, Ira M.	Hathaway, B. F., Jr.	Thompson, Charles E.
Coe, William A.	Howard, Henry	Timperley, Sadie L.
Comey, Charles M.	Hunt, Josiah	Tripp, Jabez D.
Corson, Frank E.	Knowles, William H.	West, Florence B.
Corson, James A.	Lindsey, Robert	Wilson, Wallace B.
Cuddy, Edward C.	Negus, Southward P.	Wood, Harry B.
Day, Thomas E.	Percy, T. A.	Wordell, Wilson I.
Doane, Arthur E.	Peirce, Edward E.	

CITY WEIGHIERS.

Agard, Charles W.	Foley, Timothy	Lindsey, Robert
Albiston, Clayton	Forbes, Joseph C.	Lynch, Simon F.
Allen, George H.	Foster, Charles	Lyons, John
Anderson, Arthur	Frates, Augustus	Macomber, Harry T.
Andrews, John L.	Gates, William	Mason, Frederick A.
Andrews, William	Gibbs, John E.	McCarty, Mortimer
Ashley, Calvin L.	Gibbs, J. Edward, Jr.	McKenzie, Robert
Ashley, Moses E. H.	Gibbs, William H. H.	Miller, David
Ashley, Roland R.	Gifford, Nathaniel W.	Neagus, John P.
Barney, L. H.	Gifford, Sidney B.	Negus, Southward P.
Barriteau, Joseph L.	Gile, J. F.	Nowell, Joseph C.
Bearse, Albert C.	Gilmore, Thomas	O'Brien, Thomas
Blanchard, C. S.	Gilston, John W.	O'Connor, Cornelius
Bowman, Fred G.	Grant, Lafayette	O'Connor, Timothy T.
Bradford, Edgar V.	Gray, Charles A., Jr.	Patnaude, Joseph
Brooks, Nathan B.	Greene, Luthan J.	Paul, George H.
Brownell, Charles H.	Greene, Nathaniel H.	Pedro, George E.
Brownell, George R.	Gurney, William A.	Peirce, Edward E.
Buchanan, J. Wallace	Harney, John	Percy, T. A.
Butts, James D.	Hathaway, B. F., Jr.	Perry, John
Chace, Ira M.	Hayden, Edward D.	Perry, John S.
Cleary, Daniel J.	Herman, Curtis	Perry, Stephen D.
Cobb, George A.	Hess, Christian J.	Pierce, H. M.
Coe, William A.	Higginbottom, Eli	Podman, Edward
Comey, Charles M.	Hill, Robert	Pollard, Andrew C.
Comisky, John	Hitch, Frank B.	Potter, Edwin L.
Cook, Edward H.	Howard, Henry	Robinson, Frank J.
Cook, Otis P.	Howland, Beriah G.	Rodman, Frank P.
Corneau, Philip	Inman, Harry C.	Rounsevell, Walter S.
Cornwell, Joseph F.	Jennings, Charles E.	Ryan, Joseph M.
Corson, Frank E.	Jennings, George L.	Ryan, John
Corson, James A.	Jennings, John W.	Sanderson, James
Cuddy, Edward C.	Johnson, Ferdinand A.	Smith, Henry
Cushing, Joseph B.	Jordan, Frank C.	Snow, Henry K.
Day, Thomas E.	Kenney, E. D.	Snow, Richard
Doane, Arthur E.	King, Joseph	Sullivan, Mark E.
Donahue, James J.	King, Manuel	Sullivan, Matthew
Donahue, Joseph F.	Knowles, William H.	Sullivan, William H.
Donley, William	Lamontagne, Frank	Sylvia, Antone
Durfee, William A.	Langshaw, John P.	Taber, Edward C.
Edwards, Charles F.	Lees, William	Terry, Herbert C.
Emerson, Charles P.	Lewis, Edgar R.	Thompson, Charles E.
Ferns, Joseph	Lewis, Henry S.	Tilton, Herbert E.
Ferriera, Manuel	Lewis, Marshall F.	Timperley, Sadie L.
Field, Edward H.	Leonard, Frank	Timson, William H.

Tripp, Jabez D.	White, Augustus T.	Wood, H. L.
Tripp, John E.	Wilbur, George F., Jr.	Wood, John
Tripp, Joseph J.	Willis, Charles L.	Wordell, Wilson I.
West, Florence B.	Wilson, Wallace B.	York, Joseph
West, John	Wood, Harry B.	

WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Bowman, Fred G.	Corson, James A.	Howard, Henry
Brooks, Nathan B.	Gray, Charles A., Jr.	Smith, John
Corson, Frank E.	Hathaway, B. F., Jr.	Wilson, Wallace B.

FENCE VIEWERS.

Cobb, George A.	Ryan, Edward T.	Sherman, Edward T.
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POUND KEEPERS.

Dayton, Luther M.	Humphrey, Daniel J.	Wilson, Thomas H.
Dufresne, Adolph	Manchester, John B.	

FIELD DRIVERS.

The Police.	William H. Johnson (Smith st.)	John B. Manchester.
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BOARD OF LICENSE COMMISSIONERS.

JOHN J. HOWLAND,	Term expires June, 1900.
FRANK M. SPARROW,	Term expires June, 1902.
STEPHEN D. PEIRCE,	Term expires June, 1904.
JOHN J. HOWLAND, Chairman.	

1899—CITY DOCUMENT No. 3.

CITY OF NEW BEDFORD, MASS.

TWENTY-NINTH ANNUAL REPORT

OF THE

NEW BEDFORD WATER BOARD

TO THE

CITY COUNCIL,

CONTAINING :

I.

The Report of the New Bedford Water Board for 1898, including the
Seventeenth Quarterly Report upon the Further Water Supply.

II.

The Report of the Water Registrar.

III.

The Report of the Superintendent.

DECEMBER 31, 1898.

NEW BEDFORD :

E. ANTHONY & SONS, Inc., CITY PRINTERS.

1899.

NEW BEDFORD WATER BOARD.

1899.

CHARLES S. ASHLEY,

Mayor of the City.

JOHN L. G. MASON,

President of the Common Council.

EDMUND WOOD,

THOMAS B. TRIPP,

ROBERT W. TABER.

CLERK OF THE BOARD, AND SUPERINTENDENT,

ROBERT C. P. COGGESHALL.

WATER REGISTRAR,

JAMES H. HATHAWAY.

FOREMAN,

. JOHN C. DEMELLO, JR.

PUMPING STATION,

ADONIRAM S. NEGUS, *Pumping Engineer.*

INSPECTORS,

CLIFFORD BAYLIES,

ARTHUR R. WEEKS.

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF NEW BEDFORD WATER BOARD,
December 31, 1898.

To the City Council of the City of New Bedford:

GENTLEMEN :—The New Bedford Water Board herewith present to you the twenty-ninth annual report of this department and include in it the regular quarterly report now due on the Further Water Supply.

The work on the Further Water Supply is now approaching completion. For four years it has been going on steadily, many parts are entirely finished and this coming year we hope will see the culmination of the whole enterprise, and the citizens enjoying the results.

The pumping station buildings are now ready. The long pipe line of riveted steel leading from that station eight miles to the reservoir at High Hill in Dartmouth, has been thoroughly tested and covered from view. The sixty million gallons reservoir with its two substantial gate houses is ready and also the large cast iron main pipe which leads this water down into the present distributing system. The long dam and wasteway between Great Quittacas and Pockshire Ponds is finished, as well as the dam at the lower end of Little Quittacas, and the long masonry intake under the water to the pump wells. The dam and conduit between Great and Little Quittacas

Ponds is nearly completed. A gatehouse has just been finished at the end of this conduit and also one at the outer end of the intake in Little Quittacas Pond. The railroad from Braley's Station to the new pumping station has been constantly used for transporting all the material used in this work. The end has been raised on an elevated trestle and passes directly into the coal shed. Coal is now being hauled over this railroad for use at the new station. The boiler is all placed and ready for use and the work of setting up the new pumping engines is being rapidly pushed.

The following contracts have been awarded during the year. They have been awarded to the lowest bidders in competition.

On March 5th a contract was signed with The Edge Moor Bridge Works of Edge Moor, Delaware, to construct a steel trestle 163 feet long to conduct the railroad into the coal shed at an elevation. This was completed in July and the amount paid was \$1,280.

On August 31st a contract was signed with Maguire and Penniman of Providence, R. I., for building the superstructure of two gate houses in Great and Little Quittacas Ponds, in accordance with the requirements of the engineers. One of these gate houses is circular in form, the other rectangular. This contract has been satisfactorily completed for the consideration named in the agreement, viz., \$3,440.

On November 23rd a contract was executed with The New Bedford Boiler and Machine Co., Clark W. Holcomb, proprietor, for furnishing and erecting the smoke flue for the boiler of the Quittacas Pond pumping station. The consideration was \$644.

On December 6th a contract was signed with the Walworth Manufacturing Co., to make, deliver and erect that portion of the steam pipe within the boiler room and

connecting with pipe within engine room. The consideration was \$439.

On December 12th a contract was awarded to I. B. Davis & Son of Hartford, Conn., to do all work necessary to make and deliver a tubular feed water heater and appurtenances at the Quittacas pumping station. The price for completing this contract in accordance with the specifications is \$640.

The regular work has also been conducted during the year of administering and maintaining the business connected with the distribution of water.

Twenty-one petitions for the extension of main pipe have been received. Of this number twenty have been granted.

Sixteen thousand and thirty-three feet of main distribution pipe have been laid. Three thousand one hundred and seventy-five feet of this amount has been to replace with cast iron pipe that amount of the old cement lined sheet iron pipe and three thousand two hundred and twenty-eight feet has been to replace cast iron pipe of a smaller size. The total amount of main pipe now in use is 89.3335 miles.

The number of service pipes has been increased 154, making the total now in use 9,014.

All the cement lined pipe which was placed in the streets when the water works were first built has now been removed.

At that time, close following the war of the Rebellion, iron was enormously high, averaging about \$80 per ton. It was decided wise to use this much cheaper and shorter lived substitute. The result has proved the wisdom of that judgment of our first predecessors. The interest saved has about been sufficient to pay for the cost of replacing it with cast iron pipe when the price of iron fell so low in recent years and the growth of the City would

have made it necessary, if the City had used cast iron pipe originally, to dig most of it up and substitute a larger size.

That cement lined pipe of which we had 9 3-4 miles in the year 1870, has done well by the City, but its safe life had passed and it is a subject for congratulation that finishing this year, it has now all been removed.

On January 10th a contract was signed with the Walworth Manufacturing Co., of Boston, for the usual supply of screw taps and sidewalk stops for service supplies. The consideration was from 45 cents to 90 cents each according to the size for the taps and from 36 to 75 cents each for the stops.

The construction of a new bridge between this City and Fairhaven and the change in the location of the draw necessitated our providing for the future supply of both Fish and Pope's Islands. During the month of May, with the assistance of Steward, McDermott & Weand, and their complete outfit of necessary apparatus, the work was accomplished of laying a flexible iron pipe, six inches in diameter, upon the river bottom between the two islands, south of and parallel to the line of the new bridge. The cost of this work was \$2,673.55.

A contract was signed on August 10th by the fuel committee of the City Council with F. T. Akin & Co., for 1,400 gross tons of George's Creek Cumberland coal for this department. The larger portion to be delivered at the Purchase street pumping station at \$3.50 per gross ton. The remainder to be delivered upon cars at Braley's Station at \$4 per gross ton.

During the month of June the term of office of David B. Kempton as a member of this Board expired. Mr. Kempton was one of the original Water Commissioners of the City under whose direction the works were built. Elected to that position in November, 1865, he served on this Board till June, 1871.

Again elected in 1880, he has served consecutively until 1898.

Such an unusual record of twenty-four years of faithful public service on this Board warrants more than passing notice. He was an energetic, careful, conservative member, fully impressed with the responsibility of the office and given to scrutinizing all expenditures. Acknowledging a love of economy in his daily life he was anxious that the public moneys should be carefully and judiciously spent. He helped to superintend the building of our first works, he celebrated the introduction of water into the City, he has seen that first plan, which it was thought provided abundantly for any possible future growth of the City, gradually overtaxed and outgrown, he has taken part in the planning of the new additional supply and seen most of the plans carried out and the new work constructed.

Although now severing his official connection with this Board, may he live long enough to not only see the completion of the new system, but to see also the City expand and justify the faith which planned the improvement.

On June 10th, Robert W. Taber was elected a member of this Board for a term of three years

On December 13th, we sustained a loss in the death of our colleague the Honorable Stephen A. Brownell.

While Mayor of the City and President of this Board, in 1894, the first steps were taken toward adopting the plans for the new work on a further water supply and the money was voted for its accomplishment. He then and ever since took a lively interest in the project and we have had the benefit of his advice and counsel.

We wish to give expression to our appreciation of the honesty and efficiency of his official service, the mature soundness of his judgment and the genial fellowship which makes us feel his death as a personal loss.

The following is a brief statement of the financial operations of the past year :

Balance Dec. 1st, 1897,	\$40,125.71
Receipts for the year, all sources,	119,490.50
	\$159,616.21

The charges have been as follows :

Expenditures for management and repairs,	\$88,998.79
Expenditures for extensions,	34,777.31
	\$123,776.10

Which leaves a balance to the credit of the works on the books of the City Treasurer, Dec. 1st, 1898,	\$35,840.11
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DEBITS.

Balance Dec. 1st, 1897,		\$40,125.71
Receipts from water rates,	\$100,116.87	
Receipts from sale of hay,	35.00	
Receipts from laying main and service pipes in private property and fines,	5,858.33	
Receipts from sales of meters,	1,480.30	107,490.50
General appropriation for use of water for public purposes,		12,000.00
General appropriation from tax levy to make up deficit,		75,000.00
		\$234,616.21

CREDITS.

Management and repairs less interest, bonds paid and sinking funds,		\$34,398.79
Extension of works,		34,777.31
Interest on bonds, general appropriations,	\$69,000.00	
Interest on Sylvia Ann Howland fund, general appropriations,	6,000.00	
Interest paid from water rates,	5,000.00	
Bonds paid from water rates,	20,000.00	100,000.00
Sinking funds (further supply) paid from water rates,		24,000.00
Sinking funds paid from water rates,		5,600.00
Balance Dec. 1st, 1898,	35,840.11	\$234,616.21

The actual outlay for the construction of these works Dec. 1st, 1898, exclusive of debt, interest and management and repair account is \$1,775,427.75.

Summary of receipts and expenditures for "Further Water Supply" to Dec. 5th, 1898.

RECEIPTS.

Bonds sold Dec. 15th, 1894,	\$200,000.00	
Bonds sold April 24th, 1896,	50,000.00	
Bonds sold May 2nd, 1896,	200,000.00	
Bonds sold July 1st, 1896,	150,000.00	
Bonds sold Dec. 18th, 1896,	400,000.00	
Bonds sold Jan. 1st, 1897,	200,000.00	
Premium on bonds, Dec. 15th, 1894,	\$18,632.00	
Premium on bonds, April 24th, 1896,	4,775.00	
Premium on bonds, May 2nd and July 1st, 1896,	30,866.50	
Premium on bonds, Dec. 18th, 1896,	35,428.00	
Premium on bonds, Jan. 1st, 1897,	21,660.00	111,361.50
		\$1,311,361.50

EXPENDITURES.

Cost of issuing water bonds,	\$991.12
Salaries,	9,075.00
Traveling and other expenses,	708.45
Telephone and telegraph messages,	151.44
Legal expenses,	1,676.00
Printing and stationery,	136.74
Water gaugings at Quittacas ponds,	3,179.18
Maintenance of rain gauges,	278.50
Survey and map of Quittacas ponds,	2,197.23

Lands bordering upon Quittacas ponds:—

Surveying and placing bounds,	\$5,380.56
Examination of titles and other legal expenses,	3,466.25
Cost of land and options,	66,643.18
Surveying water shed, Lakeville pond,	1,834.55
Clearing land, etc.,	905.92
	\$78,230.46

CREDITS.

Rents received,	\$882.80		
Middleboro taxes received,	103.44		
Rochester taxes received,	57.23		
Rebate on insurance,	26.67		
Sale of hay,	64.00		
Sale of machinery,	47.50		
Sale of cedar poles,	15.00		
Sale of furniture,	4.00	1,200.64	\$77,029.82

Pumping Station and Conduit Connection at

Little and Great Quittacas Ponds, etc. :—

Engineering,	\$10,334.67		
Designing engine and boilers,	12,000.00		
Inspecting engine construction,	5,564.92		
Foundation of pumping station and engines and intake into Little Quittacas Pond, etc.,	68,241.01		
Inspection of connection between ponds, in- take, and work around ponds,	3,211.85		
Draining and improving grounds and roads,	2,540.64		
Cost of engines,	107,855.08		
Fire piping,	960.83		
Legal expenses,	10.00		
Iron castings,	1,776.70		
Boiler plates,	1,345.41		
Contract, superstructure,	53,965.66		
Freight and carting,	113.84		
Contract building boiler,	8,125.47		
Draining building, sewerage, etc.,	1,069.65		
Crane,	2,780.73		
Lighting equipment,	4.00		
Other supplies,	328.79		
Sluice gates,	1,826.25		
Bridges,	84.10		
Gate houses, superstructure,	3,440.00		
Finishing floors,	51.10		
Air pumps and connections,	2,016.00		
Miscellaneous labor,	269.05		
Steam piping,	88.99		
Water gates,	1,151.16		

\$289,155.90

CREDITS.

Sale of cement and brick,	\$322.33		
Sale of rope,	27.50		
Rebate on insurance,	3.94	353.77	\$288,802.13

Force main:—

Engineering, including surveying and placing bounds,	\$16,832.07
Examination of titles and other legal expenses,	829.65
Cost of land,	5,731.42
Changing dry swamp ditch,	317.54
Contract, cost of pipe and laying,	324,328.80
Inspection on line,	8,858.25
Cost of gates,	6,991.09
Clearing wood,	566.42
Inspection at foundry,	2,736.60
Cast-iron pipe,	4,432.42
Fencing,	127.50
Freight and carting,	298.91
All other supplies,	93.90
Digging drains and other labor,	710.02
Gravel, filling swamp,	1,080.00
	\$373,934.59

CREDITS.

Sale of wood,	\$512.67		
Labor,	58.25	570.92	\$373,363.67

Distributing reservoir at High Hill:—

Engineering, including surveying and placing bounds,	\$10,149.49
Examination of titles and other legal expenses,	194.87
Cost of land,	8,866.47
Moving buildings and repairs,	513.23
Carriage hire,	10.00
Contract, construction of reservoir,	138,650.72
Cast-iron pipe and other castings,	2,587.57
Masonry inspector,	3,433.00
Cost of changing road,	932.30
Earthwork inspection,	1,007.00
Sluice gates,	4,020.00
All other supplies,	186.02
Works after completion of contract,	1,458.40
Gate houses,	5,514.52
Fence around reservoir,	2,306.60
Steps,	434.00
Weir,	155.40
	\$180,419.59

CREDITS.

Sale of land,	\$1,000.00		
Sale of wood,	475.00		
Labor,	9.44		
Insurance rebate,	9.60		
Rebate on pickets,	36.70	1,530.74	\$178,888.85

Distributing main from High Hill
reservoir to City :—

Engineering, including surveying and plac- ing bounds,	\$5,888.04		
Examination of titles, appraisal of land and other legal expenses,	115.00		
Cost of land,	658.51		
Cost of pipe and special castings,	108,790.17		
Wharfage and handling pipe,	1,868.04		
Gasket,	184.44		
Inspecting pipe,	1,541.34		
Lead,	961.06		
Gates and boxes,	6,352.77		
Toolhouse, blacksmith shop and tools,	121.21		
Labor,	6,864.24		
All other supplies,	68.49		
Carting,	4,266.55		
Freight and express,	5.22		
Lumber,	182.69		
Inspection,	534.96		
Contract, Nash road to reservoir,	26,826.16		
Lowering Turner's pond,	100.00		
Lowering sewers, etc.,	217.99		
Drain in sixty-foot way,	129.75		
			\$165,676.63

CREDITS.

Board of Public Works, crusher stone,	275.87	\$165,400.76	
Railroad, Braley's to Little Quittacas :—			
Engineering,	\$4,828.20		
Hearing at Freetown and legal expenses,	178.29		
Contract for railroad,	61,594.40		
Inspection,	826.50		
Siding at Braley's,	1,473.73		
Cast-iron pipe,	403.14		
Signs,	143.78		
Gravel, etc.,	2,082.70		
Wooden culverts,	672.10		
Labor,	15.00		
Trestle in coal shed,	1,375.08	\$73,592.92	

Telephone line:—

Labor,	\$15.50	
Poles,	113.75	
Wiring lines,	94.18	
Rent of telephone,	112.50	\$335.92

Dam between Great Quittacas and Pochsha ponds:—

Engineering,	\$1,047.20	
Contract,	24,600.00	
Inspection,	373.50	\$26,020.70

Total expenditures,	\$1,201,828.44
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Balance to credit of account Dec. 5, 1898,	109,533.06
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\$1,311,361.50

Accompanying this report, and a part of it, are the reports of the Water Registrar and of the Superintendent.

Very respectfully submitted,

CHAS. S. ASHLEY,	} <i>New Bedford</i> <i>Water Board.</i>
EDMUND WOOD,	
THOMAS B. TRIPP,	
ROBT. W. TABER.	

Report of the Water Registrar.

CITY OF NEW BEDFORD,
WATER REGISTRAR'S OFFICE,
December 1st, 1898.

To the New Bedford Water Board:

GENTLEMEN:—I herewith present to you the annual statement of my accounts as Water Registrar for the year ending at this date:

RECEIPTS.

Balance Dec. 1st, 1897,	\$40,125.71
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Receipts for water:—

Rates, domestic,	\$93,657.79	
Rates, manufacturing,	6,459.08	
Appropriations for public buildings		
and fire hydrants,	12,000.00	\$112,116.87
Receipts for services,		3,087.76
Receipts for meters,		1,480.30
Receipts for fines,		60.00
Receipts for mains,		2,326.63
Receipts for mill piping,		349.10
Receipts for shop work,		25.90
Receipts for incidentals,		8.94
Receipts for sale of hay,	35.00	\$119,490.50

\$159,616.21

Expenditures for the year ending Dec. 1st, 1898,	123,776.10
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Balance cash in treasury, Dec. 1st, 1898,	\$35,840.11
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WATER REPORT.

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EXPENDITURES.

MANAGEMENT AND REPAIRS.

Engineering and superintendence :—

Salaries
per year.

\$2,400	R. C. P. Coggeshall, sup't,	\$2,439.35	
1,300	J. C. DeMello, Jr., foreman,	1,312.14	
800	S. H. Taylor, office assistant,	813.11	
400	F. L. Pope, Jr., office assistant,	399.34	\$4,963.94

Water Registrar :—

1,000	James H. Hathaway, water reg.,	1,016.39	
1,000	Clifford Baylies, inspector,	1,016.39	
900	Arthur R. Weeks, inspector,	914.76	\$2,947.54

Inspection and clerk hire :—

	Joseph P. Rose,	654.00	
	Posting accounts,	50.00	
	Annual inspection,	352.50	
	Distributing water bills,	97.50	
	Labor,	10.00	\$1,164.00

Pumping expenses—Engineers, firemen and watchman :—

1,600	A. S. Negus, engineer,	\$1,626.23	
1,025	Patrick Gibbons, ass't eng'r,	1,041.81	
	James H. Weeks, " "	795.00	
	H. F. Teachman, " "	742.00	
	C. J. Buckley, fireman,	643.69	
	E. F. Drown, " "	564.63	
	Michael Finn, " "	641.13	
	J. J. Da Silveira, laborer,	240.00	
	A. S. Marciel, " "	345.67	
	Labor,	109.41	

\$6,749.57

	Fuel for pumping engines,	4,331.08	
	Oil, waste, packing and gas,	331.71	
	Other supplies,	82.67	
	Repairs of engines,	208.40	
	Repairs of boilers,	31.13	
	Other repairs,	32.26	
	Maintenance of engine house and lot,	266.89	
	Miscellaneous,	1.21	\$12,034.92

Maintenance of mains :—

Main pipe,	439.60	
Stop gates,	107.36	
Hydrants,	559.96	
Flushing and inspecting,	215.87	\$1,322.79

Services :—

Service pipe, lead and iron,	\$80.54	
Renewing and driving stop boxes,	431.18	
Clearing stops, taps and pipe,	354.82	
Plumbing,	7.50	874.04
Fountains,		66.35
Meters,		180.06
Printing, stationery, advertising and postage,		480.06
Car fares, express, telegrams and rent of telephones,		850.92

General maintenance :—

Board of horses, and maintenance of carriages,	970.29	
Labor at workshop,	672.39	
Materials at workshop,	93.40	
Fuel and lighting at workshop,	80.91	
Repairs, workshop buildings and pipe yard,	3,441.06	
Miscellaneous,	186.88	5,444.93
Land, buildings, taxes, etc.,		535.21
48-inch steel force main,		1,684.93
High Hill reservoir,		963.31
36-inch distributing main,		210.63
Connection Little Quittacas Pond and storing reservoir,		17.50
Storing reservoir and surroundings,		175.32
Receiving reservoir,		152.00
Mount Pleasant distributing reservoir,		194.00
Meteorological instruments,		16.60
Railroad,		29.00
Quittacas pumping station,		90.74
Interest paid from water rates,		5,000.00
Bonds paid from water rates,		20,000.00
Sinking funds paid from water rates,		5,600.00
Sinking funds (further water supply) paid from water rates,		24,000.00
		\$88,998.79

EXTENSIONS.

Mains :—

Main pipe and special castings,	\$14,787.22	
Stop gates,	1,982.54	
Hydrants,	1,276.10	
Lead and gasket,	1,532.10	
Tools,	153.96	
All other supplies,	594.87	
Freight and carting,	690.26	
Labor,	6,476.78	
Unloading pipe and wharfage,	411.08	
Half holiday,	527.89	\$28,432.80

Services:—

Service pipe, lead and iron,	1,536.40	
Taps and stops,	673.71	
All other supplies,	359.16	
Labor,	1,703.62	
Plumbing,	307.23	4,580.12
Cost of meters,		1,397.16
Cost of setting meters,		9.18
Mill piping,		90.45
Fountains,		267.60
		<u>\$34,777.31</u>

Total expenditures for the year, \$123,776.10

Whole outlay upon the works to this date, \$2,769,185.69

Balance Dec. 1st, 1898, 35,840.11

\$2,805,025.80

The receipts from the commencement of the works to this date have been as follows, viz. :— .

Appropriations by the City Council,	\$1,038,000.00
Receipts from water and other sources,	1,767,025.80

\$2,805,025.80

Deduct total outlay, 2,769,185.69

Balance as above Dec. 1st, 1898, \$35,840.11

Outlay, \$2,769,185.69

Deduct from outlay:—

Paid for management and repairs,	\$640,669.80	
Interest paid,	122,788.14	
Bonds paid,	145,000.00	
Sinking funds,	17,300.00	
Sinking funds (further water supply),	68,000.00	993,757.94

Actual cost of works,	\$1,775,427.75
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Total receipts for water,	\$1,767,025.80
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Deduct the amount paid for maintenance, debt, interest and sinking funds,	993,757.94
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Water receipts applied to construction,	\$773,267.86
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The funds for the construction of the works have been derived from the following sources, viz. :—

Investment of Sylvia Ann Howland educational bequest,	\$100,000.00
Sylvia Ann Howland water bequest,	100,000.00
Received from sale of bonds,	815,000.00
Net receipts applied to construction,	773,267.86
Appropriation for construction in 1885,	23,000.00

	\$1,811,267.86
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Deduct balance Dec. 1st, 1898,	35,840.11
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Cost of work as stated above,	\$1,775,427.75
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The water debt at this date is as follows, viz. :—

Water bonds, 7 per cent.,	\$100,000.00
“ “ 6 “ “	120,000.00
“ “ 5 “ “	100,000.00
“ “ 4 “ “	140,000.00
“ “ 4 “ “ (further water supply),	1,200,000.00
Sylvia Ann Howland bequest, 6 per cent.,	100,000.00

	\$1,760,000.00
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Less sinking funds,	91,012.12
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Net water debt, Dec. 1st, 1898,	\$1,668,987.88
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Outlay for management and repairs,	\$88,998.79
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Outlay for extensions,	34,777.31
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	\$123,776.10
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Deductions :—

Receipts for services,	\$3,087.76	
Receipts for meters sold,	1,480.30	
Receipts for mains,	2,326.63	
Receipts for fines and other sources,	478.94	\$7,373.63

Net expenditures,	\$116,402.47
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Amount appropriated by the City Council in 1898 for interest on water loan,	\$75,000.00
Net expenditures by the Water Board,	116,402.47

Actual amount expended in 1898,	\$191,402.47
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Water receipts in 1898,	\$112,116.87
Water receipts in 1897,	111,668.11

Increase in 1898,	\$448.76
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Statement of “ Further Water Supply ” account :

RECEIPTS.

Bonds sold,	\$1,200,000.00
Premium on same,	111,361.50
Sales, etc.,	3,936.94
	<u>\$1,315,298.44</u>

EXPENDITURES.

Amount paid as per schedule,	1,205,765.38
Balance Dec. 1st, 1898,	<u>\$109,533.06</u>

JAMES H. HATHAWAY,

Water Registrar.

Report of the Superintendent.

NEW BEDFORD WATER WORKS,
SUPERINTENDENT'S OFFICE,
December 1, 1898.

To the New Bedford Water Board:

GENTLEMEN:—The twenty-ninth annual report of the Superintendent for the year ending December 1st, 1898, is herewith presented.

The rainfall observations in three locations, i. e.: at the Storing Reservoir, Pumping Station and at the residence of Thomas R. Rodman, Esq., corner of Spring and County streets, appear in tables annexed to this report. The last named record is supplied through the courtesy of Mr. Rodman.

The average yearly rainfall for a term of eighty-five years, as shown by Mr. Rodman's record, is not far from forty-seven inches. This year we record over sixty-four inches, and for the single month of October over ten inches. This is excessive and in consequence the feed to the storing reservoir has kept that basin well filled. Dark brown water has flowed into it from the adjacent swamps in such quantities that the whiter water from Little Quittacas Pond has failed to neutralize this well known tint as successfully as has been the case in some previous seasons. The quality has however been as good as usual. It has occasionally developed the familiar swampy taste and odor noted in former years, and at times it held considerable vegetable matter in suspension, giving it a

somewhat cloudy appearance. Nevertheless it is an excellent potable water, entirely free from all disease germs. It's condition is carefully and constantly watched. Samples are collected each month and sent to the State Board of Health for examination and the results of the past year, are shown in the following tables, kindly supplied by Mr. X. H. Goodnough, chief engineer of that body :

PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.			ODOR.		Residue on Evaporat'n			AMMONIA.			NITRO-GEN AS						
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspension.	CHLORINE.	Nitrates.	Nitrites.	Hardness.	Oxygen consumed.	Iron.
21,723	18 97 Dec. 31 Jan. 1		Very slight.	Slight.	1.70	Faintly vegetable.	Distinctly vegetable.	6.80 3.40 3.40		.0054	.0296	.0254	.0042	.70	.0070	.0001		1.61	1.3760	
21,955	18 98 Jan. 24 Jan. 24		Very slight.	Slight.	1.40	Distinctly vegetable.	Distinctly vegetable and musty.	5.60 2.70 2.90		.0018	.0248	.0242	.0006	.68	.0070	.0000		1.61	1.0720	
22,323	Feb. 23 Feb. 24		Very slight.	Slight.	1.10	Faintly vegetable.	Faintly vegetable and musty.	4.50 2.25 2.25		.0010	.0172	.0168	.0004	.57	.0070	.0000		1.3	0.8880	
22,667	Mar. 28 Mar. 29		Very slight.	Very slight.	1.00	Distinctly vegetable.	Distinctly vegetable.	3.75 2.10 1.65		.0026	.0190	.0174	.0016	.54	.0070	.0000		0.5	0.8320	
22,963	Apr. 25 Apr. 26		Very slight.	Slight iron.	0.88	Distinctly vegetable.	Distinctly vegetable.	3.50 1.70 1.80		.0018	.0168	.0154	.0014	.55	.0060	.0001		0.6	0.7520	
23,270	May 23 May 24		Slight.	Considerable iron.	1.30	Distinctly vegetable.	Distinctly vegetable.	4.30 2.00 2.30		.0028	.0234	.0208	.0026	.47	.0040	.0001		1.0	1.0000	
23,613	June 20 June 21		Very slight.	Considerable	1.20	Distinctly vegetable.	Distinctly vegetable and musty.	4.55 2.50 2.05		.0018	.0260	.0258	.0032	.53	.0070	.0000		1.0	1.2160	
24,025	July 25 July 26		Slight.	Slight.	0.98	None.	Faintly vegetable.	4.60 2.40 2.20		.0020	.0244	.0230	.0014	.43	.0010	.0002		0.6	0.8880	
24,384	Aug. 22 Aug. 23		Very slight.	Very slight.	1.46	None.	Faintly vegetable.	5.75 3.35 2.40		.0024	.0300	.0276	.0024	.45	.0040	.0000		1.0	1.4160	
24,765	Sept. 26 Sept. 27		Very slight.	Very slight.	1.00	None.	Faintly musty.	4.90 2.50 2.40		.0014	.0274	.0254	.0020	.49	.0060	.0000		0.6	1.0320	
25,132	Oct 24 Oct. 25		None.	Very slight.	0.68	Faintly vegetable.	Faintly vegetable.	4.10 2.10 2.00		.0004	.0176	.0160	.0016	.50	.0050	.0000		0.8	0.9520	
25,441	Nov. 21 Nov. 22		Very slight.	Very slight.	1.80	Faintly vegetable.	Distinctly vegetable.	6.75 3.40 3.35		.0052	.0304	.0252	.0052	.54	.0140	.0000		1.1	1.6480	

These samples were collected from conduit at entrance to receiving reservoir.

Scale of colors: 0=Colorless.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

WATER ANALYSIS. STATE BOARD OF HEALTH. PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.		ODOR.		Residue on Evaporat'n			AMMONIA.			CHLORINE.		NITRO-GEN AS		Oxygen consumed.	Iron.	
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspension.	Aluminoid.	Nitrates.			Nitrites.
21,711	Dec. 29 1897	Dec. 30	Very slight.	Very slight.	0.46	Faintly vegetable.	Faintly vegetable.	3.90	1.40	2.50	.0002	.0166	.0164	.0002	.64	.0010	.0000	1.0	.5280
22,636	Mar. 24 1898	Mar. 25	Very slight.	Slight cyclops.	0.70	Distinctly vegetable.	Distinctly vegetable.	3.50	1.60	1.90	.0002	.0200	.0176	.0024	.57	.0000	.0000	0.8	.7120
23,615	June 20	June 21	None.	Very slight.	0.68	Distinctly vegetable.	Distinctly vegetable.	3.65	2.00	1.65	.0010	.0194	.0180	.0014	.54	.0010	.0000	1.0	.7600
24,766	Sept. 26	Sept. 27	Very slight.	Very slight.	0.50	None.	None.	4.00	2.05	1.95	.0008	.0200	.0188	.0012	.58	.0010	.0000	0.8	.7040

These samples were collected from Great Quitacas Pond.

Scale of colors :

0=Colorless.

1=Yellowish brown tint.

2=Deep yellowish brown tint.

WATER ANALYSIS. STATE BOARD OF HEALTH. PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.		ODOR.		Residue on Evaporat'n		AMMONIA.			NITRO-GEN AS			Iron.					
	Collection.	Examination.	Turbidity.	Sediment.	Color.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspension.		CHLORINE.	Nitrates.	Nitrites.	Hardness.	Oxygen consumed.
21,713	1897 Dec. 29	Dec. 30	Very slight.	Very slight.	1.02	Faintly vegetable.	Faintly vegetable.	4.50	2.25	2.25	.0002	.0220	.0208	.0012	.64	.0010	.0000	1.0	0.9520	
22,635	1898 Mar. 24	Mar. 25	Very slight.	Very slight.	1.20	Distinctly vegetable.	Distinctly vegetable.	3.55	2.05	1.50	.0002	.0180	.0172	.0008	.48	.0000	.0000	0.5	0.9680	
23,616	June 20	June 21	Very slight.	Very slight.	.98	Distinctly vegetable.	Distinctly vegetable.	3.80	2.35	1.45	.0006	.0214	.0200	.0014	.49	.0020	.0000	0.3	1.0640	
24,764	Sept. 26	Sept. 27	Very slight.	Very slight.	.90	None.	Faintly musty.	4.65	2.70	1.95	.0010	.0226	.0222	.0004	.45	.0020	.0000	0.8	1.0560	

These samples were collected from Long Pond.

Scale of colors:

0=Colorless.

1=Yellowish brown tint

2=Deep yellowish brown tint.

WATER ANALYSIS. STATE BOARD OF HEALTH.

PARTS IN 100,000.

Number.	DATE OF		APPEARANCE.		ODOR.		Residue on Evaporat'n		AMMONIA.			NITRO-GEN AS							
	Collection.	Examination.	Turbidity.	Sediment.	Cold.	Hot.	Total.	Loss on ignition.	Fixed.	Free.	Total.	In solution.	In suspension.	Chlorine.	Nitrates.	Nitrites.	Hardness.	Oxygen consumed.	Iron.
21,712	Dec 29 1897		Slight.	Slight.	None.	Faintly vegetable.	3.40	1.30	2.10	.0002	.0166	.0140	.0026	.51	.0010	.0000	1.1	.2640	—
22,637	Mar. 24 1898		Slight.	Slight.	None.	None.	3.05	1.25	1.80	.0000	.0170	.0146	.0024	.52	.0000	.0000	0.8	.3440	—
23,614	June 20	June 21	Very slight.	Slight cyclops.	Distinctly vegetable.	Distinctly vegetable and musty.	3.00	1.25	1.75	.0004	.0180	.0142	.0038	.54	.0010	.0000	1.0	.3600	—
24,767	Sept. 26	Sept. 27	Very slight.	Very slight.	None.	None.	3.45	1.55	1.90	.0004	.0168	.0150	.0018	.56	.0010	.0000	0.8	.3360	—

These samples were collected from Little Quitacas Pond.

Scale of colors :

0=Colorless.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

0=Colorless.
1=Yellowish brown tint.
2=Deep yellowish brown tint.

The flow from Little Quittacas Pond to the storing reservoir was opened on March 21st. This was then done to draw the pond to a lower level, making it more convenient to construct the intake conduit of the new pumping station. With the exception of two intervals, July 13th to 29th, and August 10th to 23rd, this supply was open continuously to October 21st, when it was closed. The lowest level to which its water surface settled during the season was on October 15th, 48 inches below high water.

With the exception of slight repairs to the gate house no work has been required at the storing reservoir. Neither has the conduit required any special attention.

The receiving and distributing reservoirs and the grounds around the pumping station are in their usual good condition.

Engine No. 1 (McAlpine) has been in operation 3773 hours, making 3,107,317 revolutions and pumping 910,-443,881 gallons of water. The longest continuous run was from 4 p. m. May 6th to 9 a. m. May 22nd, 417 hours.

No repairs of any account have been necessary on this engine during the past year.

The cost of pumping with this engine has been as follows :

Salaries, 19.3 weeks,	at \$127.35	\$2,457.87
410.2334 gross tons George's Creek		
Cumberland coal,	at 3.00	1,230.67
189.8214 gross tons George's Creek		
Cumberland coal,	at 3.50	664.37
¼ cord white pine wood,	at 4.00	1.00
40¾ gallons cylinder oil,	at .40	16.30
5⅝ gallons sperm oil,	at .65	3.62
50¼ gallons lubricating oil,	at .32	16.26
165 pounds waste,	at .07	11.55
6 brooms,	at .13	.78
Proportion of maintenance of electric light plant,		105.90
Repairs to engine,		24.11
Repairs to boiler,		11.34
		\$4,543.77

Cost of raising water into distributing reservoir per million gallons, \$4.99
 Cost of raising water one foot high per million gallons, $3\frac{72}{100}$ cents

Engine No. 2 (Worthington) has been in operation 1,939 $\frac{1}{2}$ hours, making 1,634,967 revolutions and pumping 241,975,116 gallons of water. Of this amount 26,847,792 gallons were pumped into the High Hill reservoir. The longest continuous run was from 8 a. m. June 16th to 6 p. m. June 24th, 202 hours.

A new set of rubber pump valves have been required this year.

The cost of pumping with this engine has been as follows :

Salaries 9.9 weeks,	at \$127.35	\$1,260.77
154.8884 gross tons George's Creek		
Cumberland coal,	at 3.00	464.67
80.5134 gross tons George's Creek		
Cumberland coal,	at 3.50	281.80
$\frac{1}{8}$ cord white pine wood,	at 4.00	.50
40 $\frac{3}{16}$ gallons cylinder oil,	at .40	16.08
11 $\frac{9}{16}$ gallons lubricating oil,	at .32	3.70
134 pounds waste,	at .07	9.38
Proportion of maintenance of elec-		
tric light plant,		24.08
Repairs to engine,		48.00
Repairs to boiler,		5.81
		\$2,114.79
Cost of raising water into distributing reservoir per million gallons,		\$8.74
Cost of raising water one foot high per million gallons,		$6\frac{56}{100}$ cents

Engine No. 3 (Worthington High Duty) has been in operation 4,639 hours, making 5,282,646 revolutions and pumping 1,024,833,324 gallons of water. The longest continuous run was from 8 a. m. August 11th to 4 p. m. September 16th, 872 hours.

The cost of pumping with this engine has been as follows :

Salaries, 23.8 weeks,	at \$127.35	\$3,030.93
373.6161 gross tons George's Creek		
Cumberland coal,	at 3 00	1,120.85
183.7946 gross tons George's Creek		
Cumberland coal,	at 3.50	643.28
1/8 cord white pine wood,	at 4.00	.50
144 3/8 gallons cylinder oil,	at .40	57.75
48 1/16 gallons lubricating oil,	at .32	15.66
198 pounds waste,	at .07	13.86
3 1/2 pounds Daniels' H. P. packing,	at 1.25	4.38
5 pounds 7/16 inch Garlock's packing,	at .60	3.00
2 pounds 5/8 inch square flax packing,	at .30	.60
55 pounds 7/8 inch square flax packing,	at .30	16.50
3 water glasses,	at .13	.39
6 brooms,	at .13	.78
Proportion of maintenance of electric light plant,		117.11
Repairs to engine,		136.29
Repairs to boiler,	13.89	\$5,175.77
Cost of raising water into distributing reservoir per million gallons,		\$5.05
Cost of raising water one foot high per million gallons,	3 27/100	cents

The total cost of pumping for the past year may be summarized as follows, viz.:

1st. Figured on pumping station expenses, viz. :—

Cost of fuel used,	\$4,407.64
Salaries—engineers, firemen, watchmen,	6,749.57
Cost of oil, waste, packing and other supplies,	437.68
Repairs to machinery and boilers,	239.44 \$11,834.33
Raising water into distributing reservoir per million gallons,	\$5.44
Raising water one foot high per million gallons,	4 16/100 cents

2nd. Figured on total maintenance, viz. : \$114,398.79

Raising water into distributing reservoir per million gallons,	\$52.54
Raising water one foot high per million gallons,	40 18/100 cents

In the matter of repairs no more has been done than was absolutely necessary to maintain the pumping machinery in fairly good working order. If it were necessary to maintain all this machinery in active work in the future as in the past then many repairs would be needed.

Parts of the McAlpine engine have become very much worn and need renewal. Engine No. 2 (Worthington) has been operated less frequently than the other two. It is in good condition and so would not require much attention. Engine No. 3 (Worthington High Duty) requires an extensive overhauling, new sleeves are needed for its water plungers, new pistons for its low pressure steam cylinders, new steam valves and other work upon minor parts. All this would require a large outlay and no part of such an expenditure would be warranted upon an engine not up to modern requirements for duty and which is part of a plant about to be partially abandoned. Upon the installation of the new system about half of the supply to this station will be cut off by reason of the transfer of the water of Little Quittacas to the new system. Hence it will not be necessary to retain all of the present capacity of the Purchase street station. But until a second main is laid from the High Hill reservoir to the City, a portion at least should be in readiness to meet any emergency that may arise and to render other service that may at times be convenient. After a study of the situation has been made by you such portion as it may be decided wise to retain should then be placed in the best of order.

In my last report it was stated that the floor timbers of the Water street workshop had become so badly decayed as to render the building unsafe. This discovery had been made only a short time previous. As the work of overhauling and investigation progressed the trouble was found to be of a more serious nature than was at first expected. It finally seemed best to strip the entire building of all wood work and to replace with new throughout. This has been done. The rooms and working spaces have been rearranged and as it now stands the building is admirably adapted for the work which it is

designed to accommodate. There is however, one addition, which if made, would greatly add to the convenience of the department work. I allude to the horses and teams used in the daily work of the department. They are now kept at the City yard, fully three-quarters of a mile distant. This is often very inconvenient, especially when a night call is to be answered. I would therefore suggest that you consider the feasibility of erecting a convenient stable on land adjacent to the shop building.

I would also suggest that the old buildings at the northwest corner of Water street and Ark lane, which were on the land when purchased by the City, be removed at an early date. These buildings are very much dilapidated and run down and are beyond the worth of repair. Besides the room which they occupy will be of more value than the buildings are in their present condition.

The distributing mains have been increased 16,033 feet. Three thousand, one hundred and seventy-five feet of this amount has been to replace with cast iron pipe that amount of the old cement lined sheet iron pipe and three thousand, two hundred and twenty-eight feet has been to replace cast iron pipe of a smaller size. The total number of miles of pipe now in use is $89\frac{3335}{10000}$.

One hundred and forty feet of small sized distribution pipe (less than four inch) have been laid and 324 feet of that previously laid has been removed. The total number of miles now in use is $1\frac{1811}{10000}$.

Short lines of pipe with gates placed thereon have been laid from branches in the thirty-six inch distributing main at the following described locations :

1. Shawmut avenue at Plainville road.
2. Tarkiln Hill road.
3. Kings Highway.
4. Nash road.
5. Hathaway road.
6. Grant street.

These will obviate the necessity of shutting off the supply to the City whenever the extension of pipe in the streets named is desired.

Pope's Island was formerly supplied by a two-inch wrought iron pipe placed upon the south side of the old wooden bridge. This was discontinued with the removal of that structure. The takers upon this island have since availed themselves of such temporary supply as could be furnished. It was decided best to lay the pipe which is to form the permanent supply at convenient times during the construction of the new bridge. This was not only a less expensive method but obviated the necessity of disturbing hereafter the smooth asphalt roadway. The pipe laid is of six-inch diameter. It begins at the easterly end of Fish Island and passes through the abutment to the river bottom, over which it runs, until the Pope's Island abutment is reached. Through this it passes into a well in which it rises and turns horizontally eastward at a grade $4\frac{1}{2}$ feet below pavement surface. It continues east along the south side of the roadway to a short distance beyond the Yacht club house. Here it crosses to the north side and continues easterly to a point beyond the last house on the island. Service pipes have been laid into the several properties which it passes. That portion of this pipe lying upon the river bottom is of a type known as the "Ward Flexible Joint." Its location is generally parallel with the bridge and 30 feet south of its south rail. At the draw opening the pipe lies about 22 feet below low water level. The services of a diver were necessary in placing this work on the river bottom. After its completion it was submitted to an air pressure test, during which the bubbles of escaping air indicated the location of all leaks which were stopped by the diver. This was followed by a water pressure test. This pipe will not be ready for permanent use until the completion

of the remaining section of the bridge from Fish Island easterly to the main land. The remaining section of pipe will be laid in connection with the construction of that portion. Arrangement was made with Messrs. Steward, McDermott & Weand, whereby their plant was used in placing the section upon the river bottom. The total length of pipe laid was 1,501 feet of which 682 feet was of the "flexible joint." The total cost was \$2,673.55.

The plans for the supply from the new High Hill reservoir call for a twenty-four inch pipe connecting with the thirty-six inch main in Mt. Pleasant street at Grant street, leading easterly by the Beacon Manfg. Co., into and through Purchase street. Most of that in Purchase street has already been laid. I would recommend that a portion of that remaining to be done be included in the work of the coming year if possible.

A ten-inch main has been laid in Water street, connecting the twelve-inch main in Union street with the ten-inch main already laid in Water street from Cannon street south. This pipe replaces a six-inch main which was removed.

The four-inch cement lined wrought iron pipe in Cottage street from Maxfield street to Kempton street and from Court street to Grove street has been removed and replaced with eight-inch cast iron pipe.

This change completes the entire removal of all wrought iron cement lined pipe connected with our system. This work has extended over a term of years and we are to be congratulated that it is now completed. While a large portion was found in good condition, the good was so constantly interwoven with weak sections, dotted here and there with spots varying from a foot square and even larger down to that of a silver dollar where the iron had entirely disappeared that the pipe as a

whole had become extremely unreliable. The frequent breaks of past years were the source of anxiety and vexation, but as it has developed the wonder is that they were not of more frequent occurrence.

Before dismissing this subject I would testify to the wisdom of the original commissioners in including such a large amount of this type of pipe in the nucleus of the distributing system. At that time cast iron pipe was very expensive, somewhere about \$80.00 per ton. The cement lined wrought iron was comparatively cheap. It was then thought that with the probable decline in the price of cast iron the interest money saved in twenty years would be more than sufficient for replacing this pipe with that of cast iron. This has not only proved true but from our present point of view we have replaced with much larger sizes than the original commission would have felt warranted in adopting at a time when the water works was far from being regarded with favor by our tax payers.

A section of the ten-inch main in Purchase street between Weld and Wamsutta streets, has been removed and replaced with sixteen-inch pipe. This was done at this time in order that the new pavement with concrete foundation, which was laid in this section shortly after the placing of this pipe, might not be disturbed for a number of years.

The remaining sections of ten-inch pipe in Purchase street are located between the pumping station and Weld street, and between Wamsutta and Pearl streets. When these sections are replaced there will be a continuous line of sixteen-inch pipe in Purchase street from the pumping station to North street. This is a desirable improvement and I would recommend that this work be done during the coming year.

The placing of two sections of large size pipe is needed

to complete the proper feed to the territory east of Acushnet avenue and north of Washburn street. The ultimate plan calls for a line of twelve-inch pipe in Logan street from Purchase street east to Acushnet avenue and then north in the last named avenue to a point near Hicks street where it will join the twelve-inch pipe from the north now terminating at that point. The other is a short section of ten-inch pipe in Holly street from Belleville avenue west. I would recommend that these be included in the work of the coming year.

There have been eight leaks upon the main the past year, as herewith shown :—

DATE.	SIZE.	LOCATION.	CAUSE.	COST.
Jan. 19,	10 in.,	River st. east of Orchard,	Joint started,	\$ 3.67
Mch. 24,	4 in.,	Cottage st. cor. of Union,	Pick hole, cem. pipe	6.53
June 9,	20 in.,	Pleasant st. cor. of High,	Joint started,	6.25
Aug. 19,	6 in.,	Cedar Grove st. west of County,	Joint started,	3.11
Sept. 30,	10 in.,	Brock av. so. Woodla'n st.,	Pipe broken,	16.82
Oct. 1,	8 in.,	Acushnet av. opp. Wood- lawn park,	Pipe broken,	25.89
Nov. 9,	8 in.,	Front st. no. of Wamsutta,	Joint started,	4.78
Nov. 26,	4 in.,	Commercial st. east Front,	Joint started,	2.50

One hundred and sixty-six service pipes have been laid and twelve of those previously laid have been removed. The total number now in use is 9,014.

Two hundred service taps have been cleaned as follows: Rust 127, eels 29, mud 23, trouble inside 35. There were also 76 service pipes flushed out with a force pump.

Forty-three new hydrants have been set and twenty-three of these previously set have been removed. The total number now in use is 713.

One new water cart hydrant has been set and two of those previously set have been removed. The total number now in use is 44.

Fifty-two new stop gates have been set and fourteen of

those previously set have been removed. The total number now in use is 1,012.

Two small sized stop gates (less than four-inch) have been set and two of those previously set have been removed. The total number now in use is 72.

Two new waste gates have been set. The total number now in use is 93.

Five private stop gates have been set. The total number now in use is 198.

A large size "Jenks" drinking fountain has been placed in the centre of the square formed by the junction of Acushnet avenue and Weld street.

Three drinking fountains have been removed as follows :

1. Kempton street, northeast corner of Cedar street.
2. Water street, at foot of Hillman street.
3. Purchase street, just north of Weld street.

A complete list of the drinking fountains connected with the distributing system is as follows :

West French avenue, at Cove street.
Sixth street, at junction of County street.
Allen street, at head of Bonney street.
Acushnet avenue, corner Cannon street.
Front street, at foot of School street, (horse bowl).
Union street, corner Bethel street.
Market street, between Pleasant and Sixth streets.
Court street, just west of Jenney street.
Elm street, just west of Purchase street.
Front street, just north of Middle street.
Kempton street, just west of Beach street.
Hillman street, at corner County street.
County street, corner Smith street.
Purchase street, corner Pearl street.
Shawmut avenue, at corner Durfee street.
Acushnet avenue, at junction of Weld street.

The total number of air taps now in use is 38.

The total number of motors is 104.

The total number of meters now in use is 734. This list may be divided as follows :

Manufacturing supplies,	62
Domestic supplies,	669
Public supplies,	3

The following is a list of the different patterns used :

Crown,	241
Hersey,	110
Hersey disc,	143
Empire,	86
Lambert,	82
Union rotary,	35
Trident,	11
Thomson,	5
Gem,	4
Ball & Fitts,	1
Nash,	16

The following tables present interesting statistics regarding the consumption of water :

MONTHLY CONSUMPTION AND RECORD OF PRESSURE AT THE CITY HALL.

1898.	Monthly Consumption.	Daily Average.	Pounds Pressure. 10 A. M.			Pounds Pressure. Midnight.		
			Max.	Min.	Av.	Max.	Min.	Av.
January,	186,991,072	6,031,970	35	32	33	35	33	34
February,	166,485,629	5,945,915	35	32	34	36	33	35
March,	166,358,334	5,366,398	36	33	35	38	33	36
April,	161,961,580	5,398,719	36	33	34	38	35	36
May,	167,426,646	5,400,860	36	33	34	37	34	36
June,	177,439,606	5,914,654	36	32	34	37	35	36
July,	194,882,678	6,286,538	35	33	34	38	35	36
August,	194,883,079	6,286,551	36	36	34	37	33	36
September,	197,019,166	6,567,305	35	32	34	38	34	35
October,	180,041,004	5,807,774	36	33	34	37	33	36
November,	173,623,279	5,787,443	36	33	35	37	35	36
December,	189,165,570	6,102,115	36	33	34	40	35	36
Averages,	179,689,804	5,907,610	36	32	34	40	33	36

COMPARISON OF THE CONSUMPTION OF THE YEAR 1898
WITH THE RECORD OF THE 16 PREVIOUS YEARS.

Year.	Estimated population.	Estimated number of consumers.	Total number of gallons consumed.	Average daily consumption.	Number of taps.	Gallons per day to each inhabitant.	Gallons per day to each consumer.	Gallons per day to each tap.
1882	28,500	20,424	859,119,622	2,326,352	4,203	82	114	553
1883	30,000	22,249	849,059,700	2,326,191	4,465	78	105	521
1884	33,000	23,749	867,815,595	2,371,080	4,691	72	100	506
1885	33,700	25,375	1,049,801,050	2,876,167	4,965	85	113	579
1886	34,500	28,480	1,086,534,615	2,976,807	5,225	86	104	569
1887	36,000	30,080	1,112,302,789	3,047,404	5,495	85	101	555
1888	37,500	31,826	1,229,841,794	3,360,223	5,785	89	109	581
1889	40,000	34,000	1,310,488,214	3,590,379	6,104	90	106	588
1890	41,500	35,740	1,485,143,213	4,066,200	6,394	98	114	636
1891	45,000	38,500	1,513,161,482	4,145,648	6,742	92	108	615
1892	50,000	41,776	1,607,955,166	4,393,320	7,134	88	105	616
1893	55,000	44,158	1,824,275,536	4,998,015	7,531	99	113	664
1894	56,000	44,661	1,747,167,532	4,786,760	7,767	85	107	616
1895	56,300	46,154	1,719,830,979	4,711,866	8,027	84	102	587
1896	59,000	48,570	1,924,800,313	5,259,017	8,447	89	108	623
1897	60,000	50,000	2,071,702,478	5,675,897	8,860	95	113	641
1898	58,000	50,000	2,156,277,643	5,907,610	9,014	102	118	655

The maximum daily consumption was on Thursday, July 7, 7,625,249 gallons. The minimum was on Sunday, May 29, 4,057,379 gallons. The consumption has exceeded 7,000,000 gallons on 22 days, 6,500,000 gallons on 77 days, and 6,000,000 gallons on 166 days.

The rate of consumption continues very much the same as heretofore. The large increase noted in July, August and September may be partially explained by the fact that an unusual amount of flushing was then required, both throughout the distributing system and in connection with operations about the thirty-six inch distributing main from High Hill to the City. It is well-known that the delivery of the conduit leading from the storing reservoir at Acushnet is more or less affected in its delivery by the weather. During a wet season, of which the past year has been an example, a considerable increase in flow is noted as compared to that of an ordinary or dry season. Its full capacity has been required to meet the exigencies of the past summer. The consumption has often reached a rate impossible to maintain for many days in succession. The compensation offered by the storage of the Mt. Pleasant distributing reservoir and the scant consumption on Sundays explain how more water can be used daily than can flow through the conduit daily. The return of another summer will witness the new supply in operation and the anxiety of the past few years will then be removed.

Respectfully submitted,

R. C. P. COGGESHALL,

Superintendent.

TABLE A.
SHOWING RAINFALL AT PUMPING STATION FOR 1898.

Day.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	.03	1.49				.09			.06			
2				.03		.03						
3			.46		.01				.14			
4					.03			.30				.04
5	.11		.43			.30	.09	.43		.74		.60
6		.19		.51	.64					.70	.63	
7	.95				.13							
8								.01	.21	.30		
9					.82	.02	.36	.11				
10											1.27	
11				.47				4.15				
12		.16	.02			.01				11.00		.09
13	.10				.04			1.38				
14			.08			.55	4.20				.55	
15										11.00		
16	.46	.21		.16	.26				.01			
17			.38		.57							
18				.01				.15			.46	
19		.03	.47				.65	.48				
20	1.11			.42	.27		.04			1.22	1.72	.43
21						.09	.13					.04
22		3.67								2.22		
23	1.44	.13	.51	.07					.79			1.11
24								.23				
25				1.86					.09		.33	
26	.70			.40	2.36							
27					1.16		.05	.08	.94	2.71	2.17	
28					.02		.13					
29						.31						
30				1.43	.05					.10	1.15	
31	.60		1.17		.04		.09			.15		.10
Totals,	5.50	5.88	3.52	5.36	6.40	1.40	5.74	7.32	2.24	10.14	8.28	2.41

Total fall for the year, 64.19.

TABLE A.
SHOWING RAINFALL AT STORING RESERVOIR FOR 1898.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1		2.90										
2									.33			
3			.53									
4					.83			.31				
5			.62			.60		.60		1.07		.67
6				.66							.78	
7	1.37											
8							.45			.38		
9					.75			.31				
10											1.33	
11				.35				4.08				
12										1.25		
13							4.71	1.31				
14						.53					.44	
15					.30					.63		
16	.47	.33		.23								
17				.67								
18												
19			.82				.48			1.13		
20	1.16			.46							2.11	
21												
22		3.85								2.37		
23	1.35		.44						1.05			1.57
24								.45			.35	
25												
26	.74			2.36								
27					3.49				.46	2.57		
28											2.93	
29												
30				1.53						.26	1.46	
31			1.34				.90					
Totals,	5.09	7.08	3.75	5.59	6.04	1.13	6.54	7.06	1.84	9.66	9.40	2.24

Total fall for the year, 65.42.

TABLE A.

SUMMARY OF MONTHLY METEOROLOGICAL OBSERVATIONS AT THE PUMPING STATION FOR THE YEAR 1898.

MONTHS.	BAROMETER REDUCED TO SEA LEVEL AND TO 32°							THERMOMETER.							RELATIVE HUMIDITY.				WIND.										WEATHER.					RAIN AND SNOW.		MONTHS.	
	7 A. M.	2 P. M.	9 P. M.	Mean.	Maximum.	Minimum.	Range.	7 A. M.	2 P. M.	9 P. M.	Mean.	Maximum.	Minimum.	Range.	7 A. M.	2 P. M.	9 P. M.	Mean.	PREVAILING DIRECTION. Number of Days it was								Mean velocity in miles per hour.	ATMOSPHERE. Number of Days it was					Mean amount of cloud.	Amount of rain or melt- ed snow in inches.	Depth of snow in inches.		
																			N.	N. E.	E.	S. E.	S.	S. W.	W.	N. W.		Variable.	Clear.	Fair.	Variable.	Rain or snow.					All others.
January.	29.98	29.93	29.97	29.94	30.55	29.05	1.50	35.6	34.3	33.6	29.5	55	—	1	56	84.1	71.3	81.6	79.1	5	5	1	1	1	3	7	5	8	10.1	8	5	2	16	4.4	5.50	4 3-8	January.
February.	30.02	30.01	30.04	30.02	30.63	28.48	2.15	27.0	37.5	30.5	31.7	54	—	6	60	90.0	71.2	86.9	82.7	2	1	2	3		6	8	1	5	9.6	10	4	1	13	4.3	5.78	1 1-2	February.
March.	30.22	30.19	30.22	30.21	30.68	29.63	1.05	35.4	47.1	38.9	40.5	60	21	39	89.2	68.5	84.6	80.8	2	1		3	6	5	4	1	9	8.9	8	9	2	12	4.3	3.52	3 1-2	March.	
April.	29.91	29.89	29.91	29.90	30.25	29.46	.79	40.3	48.3	41.7	43.4	69	22	47	81.7	65.7	80.4	75.9	7			1	1	5	5	2	9	12.5	6	5		19	5.5	5.36	2 1-2	April.	
May.	29.96	29.96	29.97	29.96	30.30	29.61	.69	51.8	58.8	51.5	54	85	33	52	82.7	67.3	83.5	77.8	1	6	1	4	5	5	2		7	9.7	5	5	1	20	5.4	6.40		May.	
June.	29.96	29.94	29.96	29.96	30.33	29.50	.83	62.1	69.9	60	63.9	87	43	44	82.5	63.7	88.7	77.6	1	6	1	1	2	10	3		7	10.1	10	5	3	12	3.9	1.40		June.	
July.	30.05	30.02	30.03	30.03	30.43	29.67	.76	67.5	76.3	67.2	70.4	94½	49	45½	90	72.5	89	83.9		3			1	1	14		2	10	7.9	10	1	9	11	4.7	5.74		July.
August.	29.99	29.93	29.95	29.96	30.26	28.88	1.35	68.1	76.8	68.6	71.2	88	46	42	93.6	79	92.9	88.5		3			2	15	4	1	6	8.1	8	6	3	14	4.2	7.32		August.	
September.	30.03	30.00	30.03	30.02	30.41	29.53	.88	60.4	72.0	61.7	64.7	91	38	53	89.4	66.5	88	81.3	1	2				11	3	5	8	8	13	2	5	10	3.5	2.24		September.	
October.	30.11	30.06	30.09	30.09	30.44	29.45	.98	50	59.1	52.1	53.7	78	32	46	93.7	77.4	90.2	87.1	2	3	1	2	3	5	4	5	6	9.6	9	2	5	15	4.9	10.14		October.	
November.	29.98	29.94	29.96	29.96	30.50	29.05	1.37	36.8	46	40.3	41	61	19	42	91.1	76.5	89.6	85.3	4	5				5	8	4	4	10.5	11	3	2	14	4.6	8.28	32	November.	
December.	29.98	29.96	29.98	29.97	30.49	29.29	1.20	29.1	36.1	30.5	31.9	52	0	51	86	72.8	82.7	80.5	1	3	1		1	6	12	3	4	9.6	9	4	6	12	4.5	2.41	23-4	December.	
Means for the year.	30.01	29.99	30.01	30.00				46.2	55.2	47.6	49.7				87.8	71	86.6	81.7										9.6					4.5				Means for the year.
Totals for the year.																				19	40	6	16	22	90	60	29	83	107	51	29	168	64.09	36 5-8		Totals for the year.	
Extremes.					30.68	28.48	2.30					94½	—6	100½																						Extremes.	

TABLE A.

SHOWING RAINFALL AT NEW BEDFORD, AS REGISTERED
BY T. R. RODMAN, FOR 1898.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	.05	.98							.01			
2				.04								
3			.44			.05			.13			
4						.07		.26				
5	.10		.60			.11	.05	.34		.74		.44
6				.60	.66					.52	.62	
7	1.00				.11							
8									.16	.35		
9					.88		.38	.09				
10												
11				.45				4.67			1.24	
12										.92		
13	.07	.32						1.76				.10
14			.05			.29	4.48				.56	
15				.15						1.04		
16	.48	.16		.01	.25							
17			.34		.64			.15				
18											.52	
19			.47				.68	.17				
20	1.08	.03		.42	.23					1.16	1.80	.42
21		2.75				.09	.14					
22		.93								2.04		
23	1.24	.11	.44	.03				.19	.58	.05		1.12
24												
25				1.77					.06		.32	
26	.73			.33	2.76							
27					1.24		.05	.05	.34	2.76	2.00	
28							.13					
29	.03			1.36		.33						
30				.13						.09	.92	
31	1.00		1.16		.05		.13			.16		.10
Totals,	5.78	5.28	3.50	5.29	6.82	.94	6.04	7.68	1.28	9.83	7.98	2.18

Total fall for the year, 62.60.

TABLE B.

STATEMENT OF WORK DONE BY ENGINE NO. 1 [MCALPINE], FOR YEAR ENDING DECEMBER 1, 1898.

Diameter of steam cylinder, 38 in.

Length of stroke, 8 feet.

Average working steam pressure, 30 lbs.

MONTHS.	Number of days or parts of days pumping.	H. M.	Total pumping time per month.	Strokes.	Average number of strokes per minute.	FUEL.						Total number of gallons pumped per month, allowance being made for slip.	Number of gallons pumped per pound of coal, for total coal.	Number of gallons raised 100 feet per pound of coal, for total coal.	Average dynamic head against pump in feet, no allowance for friction in suction.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on total fuel used for all purposes, no deductions.	Average duty in pounds raised one foot high per 100 pounds of coal, calculated on amount of combustible coal used while pumping.
						COAL.											
						LBS.	Raising steam and banking.	LBS.	Ashes and clinkers.	Pumping.	Total.						
December, 1897	9	200	30	169,134	14.1		5,194	69,006	74,200	74,200	49,556,262	608	896	134.15	74,722,495	80,346,768	
January, 1898																	
February, "	29	633		521,192	13.7	225	16,359	216,541	233,700	233,775	152,709,256	653	874	133.87	72,931,746	78,736,216	
March, "	30	688		536,463	13.5	800	16,926	224,074	241,800	241,800	163,043,659	674	907	134.5	75,637,288	81,620,788	
April, "	31	703		571,422	13.5	800	17,017	225,283	243,100	243,100	167,426,646	689	923	134.01	76,973,791	83,061,432	
May, "	16	368		299,180	13.5	200	8,827	117,073	136,100	136,100	87,659,740	695	934	134.42	77,931,858	83,940,852	
June, "																	
July, "																	
August, "																	
September, "	20	472	30	398,369	14.1	230	12,124	159,376	173,200	173,377	116,722,117	674	900	133.59	75,050,266	81,596,256	
October, "	30	708		591,557	13.9	600	17,640	233,760	252,000	252,000	173,326,201	688	920	133.73	76,711,164	82,696,840	
November, "																	
Totals and Av.	155	3,773		3,107,317	13.7	455	94,087	1,245,113	1,344,100	1,344,252	910,443,881	677	907	134.02	75,702,140	81,729,733	

TABLE B.

STATEMENT OF WORK DONE BY ENGINE NO. 2 [WORTHINGTON] FOR THE YEAR ENDING
DECEMBER 1, 1898.

Diameter of H. P. steam cylinder, 22 in.

Diameter of L. P. steam cylinder, 36 in.

Length of stroke, $36\frac{1}{2}$ in.

Average working steam pressure, 30 lbs.

[illegible]

STATEMENT OF WORK DONE BY ENGINE NO. 3, [WORTHINGTON HIGH DUTY,] FOR THE YEAR ENDING
DECEMBER 1, 1898.

Average working steam pressure, 110 lbs.

Average working steam pressure, 110 lbs.

[illegible]

TABLE C.

LOCATION AND SIZE OF CAST IRON PIPE LAID IN 1898.

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Acushnet avenue, Washburn street south,			124				
Ark lane, from Water to Second street,							359
Arnold place, from 389 feet north of Arnold st north,							4
Ashley street, from 139 feet south of Cove st south,						84	
Bowditch street, from 4 feet south of Dean st south,						97	
Bowditch street, from Coffin avenue south,						20	
Bridge (siphon), from Fish Island abutment to Pope's Island abutment,						738	
Bridge, from end of siphon at Pope's Island abutment east,						763	
Chancery street, from Sycamore street south,						108	
Clinton street, from 217 feet east of Orchard to County street,							268
Coffin st, Water to First st,						175	
Coggeshall st, Bowditch st east,						106	
Cottage street, Kempton to Maxfield,					1,013 2,078		
Cottage st, Grove to Court st,							
Dunbar st, from 190 feet east of Dunbar st east,						568	
Earle st, from 181 feet east of Acushnet ave east,						94	
Fair st, from 10 feet west of County st west,						133	
First st, from Cove st north,							283
Front st, from Belleville rd south,						148	
Grant st, from Mt. Pleasant street east,	25						
Grove st, from Cottage st west,						187	
Grove st, from Cottage st east,					14		
Hathaway ave, from Acushnet ave west,						294	
Hathaway road, from Mt. Pleasant st west,			31				

LOCATION AND SIZE OF PIPE LAID IN 1898—*Continued.*

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inca.	4 inch.
Hathaway road, from Mt. Pleasant st east,						24	
Hawthorn st., from 10 feet west of east line,							
Cottage to 5 feet west of west line Cottage street,					35		
Hillman st, from 782 ft west of Hunter st to Rockdale av						33	
Hillman st, from 187 ft east of Florence st east,						423	
Keene st, from Park st west,						453	
Kempton st, from Cottage street east,				14			
King's highway, from Mt. Pleasant st east,						83	
Liberty street, from Court st north,						154	
Linden st, from Purchase st west,				32			
Logan st, from Purchase st east,			50				
Lombard st, from Thompson st south,						92	
Lucas st, from Brock av west						231	
Madison st, from Water st west,						18	
Maitland st, from 468 feet west of Cedar st to Shawmut ave.,						218	
Maxfield st, from Cottage st east,				10			
Maxfield st, from 5 ft west of old line Purchase st west,						15	
Mill st, from 99 feet west of Beach to Summit st,						128	
Mill st, from 139 ft west of Hunter st to Beech st,						187	
Mill street, from Florence st east,						96	
Milton street, from Rockdale avenue west,						99	
Nash road, from 12 ft west of Mt. Pleasant to 12 ft east of Mt. Pleasant st,			74				
Newton st, from Mill st north						108	
Nye st, from 204 feet west of Acushnet ave west,						109	
Orchard st, from 126 ft north of Thompson st north,					48		

LOCATION AND SIZE OF PIPE LAID IN 1898—*Continued.*

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Page st, from 426 ft south of Hawthorn st. to Taber st.,					88		
Purchase st, from Weld to 12 feet south of north line Wamsutta street,		1,238					
Richmond st, from 114 feet north of Locust to Mait- land street,						124	
Rockdale ave, Hillman street north,					648		
Shawmut ave, from Plain- ville road south,			12				
Short st, from 322 ft south of Allen to Grape street,						128	
South street, from County st west,						212	
Spring st, from Water to 12 ft west of east line First st,						162	
Taber st, from Page st west,						448	
Tarkiln Hill road, from Mt. Pleasant street east.		26					
Thompson st, from 180 feet west of Hall st west,						8	
Trinity st, from 146 ft west of Cedar st west,						119	
Union st, from Armour st west,						72	
Union st, from 106 ft west of Chancery to Park street,						179	
Water st, from 12 feet south of Union to 12½ feet north of Cannon street,				1,720			
Weld st, Acushnet ave to Bowditch street,					381		
Weld st, from Purchase st west,				20			
Totals,	25	1,264	291	1,796	4,305	7,438	914

MAIN PIPE REMOVED IN 1898.

LOCATION.	CAST IRON.				CEMENT LINED.		
	10 inch.	8 inch.	6 inch.	4 inch.	8 inch.	6 inch.	4 inch.
Acushnet avenue, from Wash- burn street south.		124					
City wharf, from Water street east,				29			
Cottage street, from Kempton to Maxfield street,							1,013
Cottage street, from Grove to Court street,							2,078
Grove street, from Cottage street east,							14
Hawthorn street, from Cot- tage street east,							16
Hawthorn street, from Cot- tage street west,				19			
Kempton street, from Cottage street east,						14	
Linden street, from Purchase street west,			32				
Logan street, from Purchase street east,			50				
Madison street, from Water street west,				18			
Maxfield street, from Cottage street east,					10		
Maxfield street, from 5 ft west of old line Purchase st west,				15			
Purchase street, from Weld to 12 feet south of north line Wamsutta street,	1,238						
Water street, from 12 ft south of Union to 12½ ft north of Cannon street,			1,733				
Totals,	1,238	124	1,815	81	10	14	3,121

SUMMARY.

PIPE LAID AND REMOVED.

	36 inch.	30 inch.	24 inch.	20 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Previous to 1898:										
Cement,										
Cast iron,	21,532	6,657	4,042	11,290	25,579	18,559	38,486	10	14	3,121
Cast iron laid in 1898.			25		1,264	291	1,796	98,510	151,909	82,342
								4,305	7,438	914
Total pipe laid,	21,532	6,657	4,067	11,290	26,843	18,850	40,282	102,825	159,361	86,377
Cement removed during 1898,								10	14	3,121
Cast iron removed during 1898,							1,238	124	1,815	81
Total pipe now in use,	21,532	6,657	4,067	11,290	26,843	18,850	39,044	102,691	157,532	83,175

Total length laid in 1898.

16,033 feet, or 3.0365 miles.

Length renewed in 1898,

6,403 feet, or 1.2127 miles.

Total length of pipe in use, Dec. 1, 1898,

471,681 feet, or 89.3335 miles.

TABLE D.
SMALL SIZED DISTRIBUTION PIPE LAID IN 1898.

LOCATION.	CAST IRON 2 inch.	LEAD. 1 inch.
Trinity street, from 227 ft. west of Cedar st. west, Street 200 ft. west of Rural from Allen st. south,	101	39
Totals,	101	39

REMOVED.

LOCATION.	LEAD.	
	1 inch.	$\frac{3}{4}$ inch.
Hillman street, from Summer st. east, (1893),	110	
Trinity street, from 146 ft. west of Cedar st. west,	120	
Walden street, from Sycamore st. north, (1891),		94
Totals,	230	94

Laid previous to 1898,	6,420 feet.
Laid during 1898,	140 feet.
Removed during 1898,	324 feet.
Total length in use, Dec. 1, 1898,	6,236 feet, or 1.1811 miles.

TABLE E.

LOCATION OF STOP GATES SET IN 1898.

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Acushnet avenue, south side Washburn,			1				
Ark lane, west side Water,							1
Bridge, at west side of Popes Island,					1		
Clinton street, west side County,						1	
Coffin street, west side Water,					1		
Cottage street, south side Hawthorn,				1			
Cottage street, south side Arnold,				1			
Cottage street, south side Court,				1			
Cottage street, north side Kempton,				1			
Cottage street, south side Hillman,				1			
First street, north side Cove,							1
Front street, south side Belleville road,					1		
Grant street, east side Mt. Pleasant,	1						
Grove street, west side Cottage,					1		
Hathaway avenue, west side Acushnet avenue,					1		
Hathaway road, east side Mt. Pleasant,					1		
Hathaway road, west side Mt. Pleasant,			1				
Hawthorn street, west side Cottage,				1			
Hillman street, east side Rockdale avenue,					1		
Hillman street, east side Florence,					1		
Hillman street, west side Park,					1		
Keene street, west side Park,					1		
King's Highway, east side Mt. Pleasant street,					1		
Liberty street, north side Court,					1		
Linden street, west side Purchase,				1			
Logan street, east side Purchase,			1				
Logan street, at hydrant southeast corner Purchase,					1		
Lucas street, west side Brock avenue,					1		
Madison street, west side Water,					1		
Maitland street, east side Shawmut avenue,					1		
Maple street, west side Cottage,					1		
Mill street, east side Beech,					1		
Mill street, east side Cottage,					1		
Milton street, west side Rockdale avenue,					1		
Nash road, west side Mt. Pleasant,			1				
Nash road, east side Mt. Pleasant,			1				
North street, east side Cottage,					1		
Park street, south side Hillman,					1		
Purchase street, south side Logan,	1						
Purchase street, north side Logan,	1						
Shawmut avenue, south side Plainville road,			1				
South street, west side County,						1	
Spring street, west side Water,						1	
Taber street, west side Page,						1	
Tarkiln Hill road, east side Mt. Pleasant,	1						

LOCATION OF STOP GATES SET IN 1898.—*Continued.*

LOCATION.	24 inch.	16 inch.	12 inch.	10 inch.	8 inch.	6 inch.	4 inch.
Union street, east side Park,						1	
Water street, south side Coffin,				1			
Water street, north side Coffin,				1			
Water street, south side Walnut,				1			
Water street, at hydrant southwest corner School,						1	
Weld street, south side Washburn,					1		
Weld street, west side Purchase,				1			
Totals,	1	3	6	5	8	26	3

STOP GATES REMOVED IN 1898.

LOCATION.	10 inch.	8 inch.	6 inch.	4 inch.
Acushnet avenue, south side Washburn,		1		
City wharf, east side Water,				1
Cottage street, south side Hawthorn,				1
Cottage street, south side Clinton,				1
Cottage street, south side Court,				1
Cottage street, north side Kempton,				1
Cottage street, south side Hillman,				1
Linden street, west side Purchase,			1	
Logan street, east side Purchase,			1	
Madison street, west side Water,				1
Purchase street, at hydrant northwest corner Mill street,			1	
Purchase street, south side Logan,	1			
Water street, north side Coffin,			1	
Water street, south side Walnut,			1	
Totals,	1	1	5	7

Number of stop gates set in 1898,	52
Number removed,	14
	38
Number in use at date of last report,	974
Number in use Dec. 1, 1898,	1,012

TABLE F.

SMALL SIZED STOP GATES SET IN 1898.

LOCATION.	2 inch.
Thompson street, at water cart hydrant east of Crapo street,	1
Street 200 feet west of Rural street, south side Allen street,	1
Total,	2

REMOVED.

Thompson street at water cart hydrant west of Warwick street, 2 in.
 Brock avenue, at water cart hydrant east of W. French avenue, 2 in.

Number set in 1898,	2
Number removed,	2
Number in use at date of last report	72
Number in use December 1, 1898,	72

TABLE G.
WASTE GATES SET IN 1898.

LOCATION.	4 inch.
Logan street, east side Purchase,	1
Purchase street, south side Austin,	1
Total,	2

Number set in 1898,	2
Number in use at date of last report,	91
Number in use Dec. 1, 1898,	93

TABLE H.
PRIVATE STOP GATES SET IN 1898.

LOCATION.	4 inch.	2 inch.	1½ inch.
Ark lane, at hydrant in W. W. pipe yard,	1		
Brock avenue, at U. S. Government property,		2	1
Bridge street, at Popes Island Manf'g Co.,	1		
Totals, "	2	2	1

Number set in 1898,	5
Number in use at date of last report,	193
Number in use Dec. 1, 1898,	198

TABLE I.

LOCATION OF HYDRANTS SET IN 1898.

Arnold place, west side, 38 feet south of Rotch court.	
Ashley street, west side, 222 feet south of Cove.	
Bowditch street, southwest corner Coffin avenue.	
Bridge, Popes Island, north side, 483 feet east from west line Mfg. Co. building.	Flush.
Bridge, Popes Island, north side, 216 feet east from west line Mfg. Co. building.	Flush.
Bridge, Popes Island, south side, 25 feet west from west line Mfg. Co. building.	Flush.
Clinton street, south side, 225 feet west of County.	
Coffin street, southwest corner Water.	
Cottage street, southwest corner Hillman.	
Cottage street, southwest corner North.	
Cottage street, southwest corner Mill.	
Cottage street, southwest corner Court.	
Cottage street, southwest corner Union.	
Cottage street, southwest corner Arnold.	
Dunbar street, southwest corner Hemlock.	
Earle street, south side, 274 feet east of Acushnet avenue.	
Grove street, southwest corner Cottage.	
Hathaway avenue, south side, 278 feet west of Acushnet avenue.	
Hawthorn street, southwest corner Cottage.	
Hillman street, southwest corner Lindsey.	
Hillman street, south side, 609 feet east of Florence.	
Keene street, south side, 434 feet west of Park.	
Kempton street, southwest corner Purchase.	
Liberty street, west side, 128 feet north of Court.	
Linden street, southwest corner Purchase.	
Logan street, southeast corner Purchase.	
Lucas street, south side, 214 feet west of Brock avenue.	
Madison street, southwest corner Water.	
Maple street, southwest corner Water.	
Mill street, southwest corner Purchase.	
Mill street, southeast corner Summit.	
Milton street, south side, 85 feet west of Rockdale avenue.	
Nye street, south side, 312 feet west of Acushnet avenue.	
Richmond street, southwest corner Maitland.	
Rockdale avenue, west side, 80 feet north of Milton street.	
Smith street, southwest corner Chestnut.	
Smith street, southeast corner Spruce.	
Spring street, southwest corner Water.	

Taber street, southwest corner Page.
 Taber street, south side, 429 feet west of Page.
 Trinity street, south side, 264 feet west of Cedar.
 Walnut street, southwest corner Water.
 Water street, southwest corner School.

REMOVED.

Ashley street, west side, 138 feet south of Cove.	Post.
Clinton street, south side, 125 feet east of Orchard.	Flush.
Coffin avenue, southeast corner Bowditch.	Post.
Cottage street, northwest corner Hillman.	Post.
Cottage street, southwest corner Union.	Flush.
Cottage street, southwest corner Arnold.	Flush.
Cottage street, northwest corner Hawthorn.	Flush.
Earle street, south side, 181 feet east of Acushnet avenue.	Post.
Maitland street, south side, 101 feet west of Richmond.	Post.
Mill street, south side, 98 feet west of Beech.	Post.
Mill street, south side, 138 feet west of Hunter.	Post.
Mill street, northwest corner Purchase.	Post.
Nye street, south side, 204 feet west of Acushnet avenue.	Post.
Page street, west side, 361 feet south of Hawthorn.	Post.
Purchase street, west side, opposite Logan street.	Flush.
Short street, west side, 321 feet south of Allen.	Post.
Smith street, southwest corner Chestnut.	Flush.
Smith street, southeast corner Spruce.	Flush.
Trinity street, south side, 145 feet west of Cedar.	Post.
Water street, northwest corner Coffin.	Flush.
Water street, northeast corner City wharf.	Flush.
Water street, northwest corner Walnut.	Flush.
Water street, west side, 22 feet north of School.	Flush.

Number set during 1898,	43
Number removed during 1898,	23

Number to be added,	20
Number in use at date of last report,	693

Total number in use Dec. 1, 1898,	713
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TABLE J.

WATERING CART HYDRANTS SET IN 1898.

Thompson street, south side, 40 feet east of Crapo.

REMOVED.

Brock avenue, south side, 58 feet east of West French avenue.

Thompson street, south side, 72 feet west of Warwick.

Number set in 1898,	1
Number removed in 1898,	2
To be deducted,	1
Number in use at date of last report,	45
Number in use Dec. 1, 1898,	44

TABLE K.

STATEMENT OF WORK DONE BY THE SERVICE DEPARTMENT FOR THE YEAR ENDING DEC. 1, 1898.

KIND AND SIZE.	NUMBER OF SERVICES.	LENGTH ON TAKER.	LENGTH ON CITY.
Lead pipe $\frac{1}{2}$ inch heavy,	25	237.5	587.
Lead pipe $\frac{5}{8}$ inch heavy,	47	822.5	1,190.5
Lead pipe $\frac{5}{8}$ inch light,	48	491.5	937.
Lead pipe $\frac{3}{4}$ inch heavy,	3	160.	4.
Lead pipe $\frac{3}{4}$ inch light,	37	755.5	814.
Lead pipe 1 inch heavy,	3	62.5	14.
Lead pipe 1 inch light,	2	182.5	32.
Wrought iron pipe 2 inch,	1	1,593.	0.
Totals,	166	4,305.	3,578.5

One $\frac{1}{2}$ inch heavy lead service has been taken up and replaced with $\frac{5}{8}$ inch heavy lead.

One $\frac{1}{2}$ inch heavy lead service has been taken up and replaced with $\frac{3}{4}$ inch heavy lead.

One $\frac{5}{8}$ inch heavy lead service has been taken up and replaced with 1 inch heavy lead.

Two $\frac{3}{4}$ inch wrought iron services have been taken up and replaced with 1 inch light lead.

Two $\frac{5}{8}$ inch wrought iron services have been taken up and replaced with $\frac{5}{8}$ inch heavy lead.

Nine connections to services previously laid have been made by owners.

Five extensions to services previously laid have been made using 336 feet of 8 inch, 228 feet of 6 inch, 254 feet of 4 inch, and 904 feet of 3 inch cast iron, 9.5 feet of 2 inch wrought iron, 1,192 feet of 1 inch heavy lead, 1,261.5 feet of 1 inch light lead, 15 feet of $\frac{3}{4}$ inch heavy lead, 83 feet of $\frac{3}{4}$ inch light lead, and 60 feet of $\frac{5}{8}$ inch light lead pipe.

One $\frac{1}{2}$ inch light, five $\frac{5}{8}$ inch light, four $\frac{5}{8}$ inch heavy, two $\frac{3}{4}$ inch light lead services and one connection have been discontinued.

Length of service pipe laid during the year, 12,226.5 feet, or $2\frac{816}{1000}$ miles.

Total number of services in use Dec. 1, 1898, 9,014.

TABLE L.

WATERING CART HYDRANTS.

Acushnet avenue, west side, 4.5 feet north from north line Belleville road.
Acushnet avenue, west side, 13.5 feet north from north line Howard avenue.
Acushnet avenue, west side, 11.9 feet south from south line Tarkiln Hill road.
Acushnet avenue, west side, 3,741.2 feet north from north line Tarkiln Hill road.
Allen street, north side, 154 feet east of Page.
Bedford street, south side, 86 feet west of Fourth.
Butler street, south side, 13 feet east of Brock avenue.
Campbell street, south side, 87 feet west of Purchase.
Cedar Grove street, south side, 63 feet east of Acushnet avenue.
Coffin avenue, south side, 16.5 feet west of Acushnet avenue.
Commercial street, south side, 20.2 feet east of Water.
County street, west side, 32.2 feet north of Allen.
Court street, north side, 15 feet east of Ash.
Cove road, southwest corner, West French avenue.
Dartmouth street, east side, 13 feet south of Oak.
Elm street, south side, 57.4 feet west of Purchase.
First street, west side, 118 feet south of School.
First street, west side, 28 feet south of Grinnell.
Grinnell street, south side, 31 feet east of County.
Hawthorn street, south side, 17 feet east of Cottage.
Hawthorn street, head of Tremont.
Hazard street, south side, 21 feet west of Purchase.
Kempton street, south side, 72 feet west of County.
Kempton street, south side, 102 feet east of Newton.
Kempton street, south side, 16 feet east of Rockdale avenue.
Linden street, south side, 30 feet west of Purchase.
Locust street, south side, 25 feet west of County.
Madison street, south side, 17 feet east of Fourth.
Madison street, south side, 39 feet west of County.
Mill street, southwest corner Purchase.
Mt. Vernon street, south side, 14 feet west of Mt. Pleasant.
Poplar road, north side, 32 feet west of Bolton road.
Reynolds street, west side, 8 feet north of Linden.
Robeson street, south side, 38 feet west of Cedar.
Sawyer street, north side, 419.8 feet east of Mitchell.
Smith street, south side, 53 feet east of Park.

Spring street, north side, 45.2 feet east of Seventh.
Summer street, west side, 4 feet north of Hillman.
Sycamore street, south side, 77 feet west of County.
Thompson street, south side, 40.4 feet east of Crapo.
Union street, south side, 65 feet west of County.
Water street, west side, 6 feet south of Blackmer.
William street, south side, 27 feet east of Second.
Willis street, south side, 7.5 feet east of Acushnet avenue.

Number now in use,

44

TABLE M.

LOCATION OF HYDRANTS.

	Pressure in lbs.
Abbott street, northwest corner Ruth avenue	56
Acushnet avenue, west side, north of Tarkiln Hill road, 3743.2 feet .	35
Acushnet avenue, west side, north of Tarkiln Hill road 2986.7 feet .	40
Acushnet avenue, west side, north of Tarkiln Hill road 2392.7 feet .	44
Acushnet avenue, west side, north of Tarkiln Hill road 1783.3 feet .	48
Acushnet avenue, west side, north of Tarkiln Hill road 1195.3 feet .	52
Acushnet avenue, west side, 542 feet north of Tarkiln Hill road . .	54
Acushnet avenue, southwest corner Tarkiln Hill road	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet . .	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet . .	53
Acushnet avenue, west side, north of Howard avenue 600 feet . .	53
Acushnet avenue, west side, north of Howard avenue 6 feet . . .	54
Acushnet avenue, west side, south of Howard avenue 601 feet . .	55
Acushnet avenue, west side, north of Shaw 610 feet	51
Acushnet avenue, northwest corner of Shaw	47
Acushnet avenue, west side, north of Belleville road 603½ feet . .	45
Acushnet avenue, west side, head of Belleville road	42
Acushnet avenue, northwest corner of Nash road	40
Acushnet avenue, northwest corner Hathaway avenue	40
Acushnet avenue, northwest corner of Davis	41
Acushnet avenue, southwest corner of Phillips avenue	39
Acushnet avenue, southwest corner of Dean	48
Acushnet avenue, west side, north of Sawyer 574½ feet	53
Acushnet avenue, southwest corner of Coggeshall	56
Acushnet avenue, southwest corner of Cedar Grove	54
Acushnet avenue, west side, south of Logan 335 feet	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double .	62
Acushnet avenue, west side, north of Wamsutta 372 feet	60
Acushnet avenue, west side, south of Wamsutta 255 feet. Flush .	63
Acushnet avenue, west side, at end of Wall street	62
Acushnet avenue, southeast corner of Pope. Flush	64
Acushnet avenue, northwest corner of Willis. Flush	61
Acushnet avenue, west side, south of Campbell 179 feet. Flush . .	59
Acushnet avenue, northwest corner of Maxfield. Flush	57
Acushnet avenue, northwest corner of Kempton. Flush	47
Acushnet avenue, northeast corner of Elm. Flush	47
Acushnet avenue, northwest corner of School	51
Acushnet avenue, northwest corner of Madison	57
Acushnet avenue, northwest corner of Russell	58

Acushnet avenue, northwest corner of Bedford	60
Acushnet avenue, west side, opposite Howland. Flush	61
Acushnet avenue, northwest corner of Potomska	50
Acushnet avenue, west side, north of Rivet 98 feet	59
Acushnet avenue, southwest corner of Blackmer. Flush	60
Adams street, south side, west of County 538.3 feet	33
Allen street, south side, 445 feet west of Rural	26
Allen street, southeast corner of Devoll	29
Allen street, southwest corner of Page	36
Allen street, north side, east of Page, 159 feet. Flush	38
Allen street, northwest corner of Ward. Flush	41
Arch street, southwest corner of Union. Flush	24
Armour street, southwest corner of Union	24
Arnold place, west side, south of Rotch court 38.3 feet	21
Arnold street, south side, west of Orchard 96 feet	22
Arnold street, southwest corner of Chancery. Flush	33
Arnold street, southeast corner of Atlantic. Flush	32
Arnold street, south side, 15.3 feet west of James	24
Ash street, northwest corner of Middle	27
Ash street, southwest corner of Morgan. Double	25
Ash street, northwest corner of Arnold. Flush	32
Ash street, northwest corner of Maple. Flush	34
Ash street, northwest corner Bedford	37
Ashland street, southwest corner of Clark	12
Ashley street, west side, south of Cove (west) 222.2 feet	60
Atlantic street, northwest corner of Maple	29
Atlantic street, southwest corner of Union	31
Austin street, southwest corner of Purchase	56
Austin street, southeast corner of State	42
Austin street, southwest corner of Ashland	15
Austin street, southeast corner of Cedar	19
Austin street, south side, on west line of Wilson	20
Austin street, southeast corner of Shawmut avenue	14
Babbitt street, south side, 207.5 feet west of Dartmouth	42
Babbitt street, southeast corner of Field	37
Bedford street, southwest corner of Fourth	53
Bedford street, southwest corner of Fifth	55
Bedford street, southwest corner County	42
Bedford street, southwest corner of Orchard	33
Beech street, northwest corner of Kempton	18
Beetle street, southwest corner of Howard	55
Beetle street, southeast corner of Front	57
Belleville avenue, southwest corner of Washburn	61
Belleville avenue, west side, 118 feet north of Washburn	63
Belleville avenue, northwest corner of Cedar Grove	62

Belleville avenue, west side, 134 feet north of Coggeshall	62
Belleville avenue, northwest corner of Beetle	60
Belleville avenue, southwest corner of Plummer avenue	58
Belleville road, southwest corner of Diman	34
Belleville road, south side, east of Acushnet avenue 1344 feet	40
Blackmer street, south side, east of Front 284 feet	59
Blackmer street, south side, east of Front 575 feet	60
Blackmer street, south side, east of Front 738 feet	60
Blackmer street, south side, east of Front 904 feet	60
Bolton road, west side, 370 feet north of Rivet	50
Bolton road, west side, north of Rotch Mill No. 2	49
Bolton road, west side, south of Rotch Mill No. 2	49
Bolton road, west side, south of Rivet 1027 feet	59
Bolton road, northwest corner of Poplar road	59
Bonney street, southwest corner of Allen	41
Bonney street, northwest corner of Grinnell	48
Bonney street, northwest corner of Rockland	54
Bonney street, southwest corner of Thompson	55
Borden street, northwest corner of Bedford	36
Borden street, southwest corner of Bay	42
Bowditch street, southwest corner of Weld	56
Bowditch street, west side, 313 feet south of Cedar Grove	55
Bowditch street, west side, north of Cedar Grove 244 feet	55
Bowditch street, northwest corner of Coggeshall	49
Bowditch street, southwest corner Dean	42
Bowditch street, southwest corner of Coffin avenue	40
Bowditch street, west side, 358 feet north of Coffin avenue	34
Bowditch street, southwest corner of Davis	29
Bowditch street, west side, north of Davis 175 feet	28
Bridge avenue, north side, 483.4 feet east from west line of Pope's Island Manufacturing Co. building. Flush	—
Bridge avenue, north side, 215.7 feet east from west line Pope's Island Manufacturing Co. building. Flush	—
Bridge avenue, south side, 24.6 feet west from west line of Pope's Island Manufacturing Co. building. Flush	—
Bridge avenue, north side, 44 feet west of draw. Flush	62
Bridge avenue, south side, 11 feet west of draw. Flush	62
Brock avenue, southwest corner of David	45
Brock avenue, southwest corner of Woodlawn avenue	45
Brock avenue, southwest corner of Willard	44
Brock avenue, southwest corner, first street south of Norman	45
Brock avenue, west side, 1063 feet south of Butler	48
Brock avenue, west side, 2538.1 feet south of Butler	51
Brownell street, west side, 294 feet south of Union	22
Bullard street, southwest corner of Belleville avenue	60

Bullard street, southeast corner of Front	50
Bullard street, southeast corner of Bowditch	44
Bullock street, southwest corner of Trinity	14
Butler street, south side, 1635 feet east of Brock avenue. Flush .	55
Butler street, south side, 287 feet east of Brock avenue. Flush .	40
Campbell street, southwest corner of Purchase	49
Campbell street, south side, east of County 163 feet. Flush . .	28
Campbell street, south side, 216.5 feet west of County	25
Campbell street, southwest corner of Cottage	19
Campbell street, south side, east of Shawmut ave. 205 feet. Flush .	18
Cannon street, south side, east of Second 164 feet	63
Cedar street, northwest corner of Elm. Double	25
Cedar street, southwest corner of Kempton. Flush	26
Cedar street, west side, north of Mill 75 feet. Flush	23
Cedar street, southwest corner of Hillman. Flush	23
Cedar street, northwest corner of Sycamore. Flush	21
Cedar street, southwest corner of Campbell. Flush	18
Cedar street, southwest corner of Parker. Flush	19
Cedar Grove street, southeast corner of Front	60
Cedar Grove street, southeast corner of Howard	58
Cedar Grove street, south side, 383 feet west of Bowditch . . .	57
Cedar Grove street, northwest corner of Purchase	56
Cedar Grove street, southwest corner of County	43
Cedar Grove street, south side, 183.5 feet west of County	40
Centre street, south side, east of Water 85 feet. Flush	56
Chancery street, southwest corner of Maple	34
Chancery street, west side, north of Arnold 406 feet	33
Chancery street, southwest corner of Elm	28
Chancery street, west side, south of Parker 176 feet	24
Chancery street, west side, north of Parker 650 feet	16
Cherry street, southeast corner of Seventh. Flush	38
Chestnut street, southwest corner of North. Flush	19
Chestnut street, west side, north of Campbell 96 feet. Flush . .	22
Chestnut street, southwest corner of Merrimac	16
Church street, southwest corner of Hathaway avenue	33
Church street, west side, 591.4 feet north of Coffin avenue . .	36
Clark street, southwest corner of State, ...	46
Clark street, south side, west of County 218 feet	34
Clay street, northwest corner of Columbia	44
Cleveland avenue, west side, 681 feet south of Cove	54
Clinton street, south side, 224.6 feet west of County	25
Clinton street, south side, west of Ash 242.5 feet	44
Coffin avenue, southwest corner of Church	40
Coffin avenue, south side, opposite Onoko lane	40
Coffin avenue, southeast corner of Front	50

Coffin avenue, southwest corner of Belleville avenue	59
Coffin avenue, northwest corner of Riverside avenue	56
Coffin avenue, south side, east of Riverside avenue 227 feet	56
Coffin avenue, north side, east of Riverside avenue 414 feet	56
Coffin street, southwest corner of Water	61
Coffin street, north side, 262 feet east of Water	62
Coggeshall street, south side, 654 feet east of Mitchell	63
Coggeshall street, south side, 498 feet east of Mitchell	62
Coggeshall street, south side, 334 feet east of Mitchell	62
Coggeshall street, north side, 148 feet east of Mitchell	62
Coggeshall street, southeast corner of Belleville avenue	62
Coggeshall street, southwest corner of Front	61
Coggeshall street, southwest corner of Purchase	53
Coggeshall street, southeast corner of County	43
Coggeshall street, south side, 384 feet west of County	36
Collette street, south side, east of Acushnet avenue 275 feet	38
Collins street, southeast corner of Glover	15
Columbia street, southwest corner of Allen	40
Commercial street, north side, east of Front, 82 feet	62
Cottage road, south side, 435 feet west of Bolton road	55
Cottage street, southwest corner of Bay	43
Cottage street, northwest corner of Allen. Flush	42
Cottage street, northwest corner of Bedford. Flush	37
Cottage street, southwest corner of Arnold	20
Cottage street, southwest corner of Union	20
Cottage street, southwest corner of Court	22
Cottage street, southwest corner of Kempton	22
Cottage street, southwest corner of Mill	20
Cottage street, southwest corner of North	19
Cottage street, southwest corner of Hillman	20
Cottage street, northwest corner of Sycamore	20
Cottage street, northwest corner of Parker	23
Cottage street, west side, 237 feet north of Locust	20
Cottage street, west side, 92 feet south of Austin	17
Cottage street, southwest corner of Durfee	8
County street, southwest corner of Sawyer	44
County street, southeast corner of Penniman	44
County street, west side, 234½ feet south of Clark	43
County street, west side, 115 feet south of Weld	42
County street, southwest corner of Austin	33
County street, west side, head of School	23
County street, southwest corner of Madison	27
County street, southwest corner of Hawthorn	32
County street, northwest corner of Allen	45
County street, southwest corner of Grinnell	61

County street, northwest corner of South	62
County street, northwest corner of Windsor	57
County street, west side, 71 feet north of Division	54
County street, northwest corner of Cove road	62
Court street, southwest corner of Orchard	20
Court street, southeast corner of Cedar	20
Court street, northeast corner of Ash	20
Court street, southwest corner of Emerson	25
Court street, south side, west from Park 304 feet. Flush	32
Court street, south side, head of Jenney	23
Court street, south side, east of Reed 300 feet	22
Cove road, southwest corner of West French avenue	58
Cove road, southwest corner of Shore street	61
Cove road, north side, 365 feet west of County	61
Cove street, southwest corner of Cleveland avenue	61
Cove street, southwest corner of Harrison avenue	61
Cove street, southwest corner of Salisbury	59
Cove street, southwest corner of Viall	59
Cove street, southwest corner of McGurk	59
Cove street, southwest corner of West French avenue	57
Cove street, southeast corner of Stapleton	55
Cove street, southeast corner of County	62
Crapo street, west side, south of Washington 343 feet. Flush	60
Crapo street, west side, south of Rockland 225 feet. Flush	63
Crapo street, west side, 160 feet south of Thompson	58
Dartmouth street, east side, southwest of Orchard 110 feet	46
Dartmouth street, east side, 125 feet south of Hickory	47
Dartmouth street, east side, 260 feet south of Rockland	45
Dartmouth street, east side, 99 feet south of Thompson	44
Dartmouth street, southeast corner of Larch	42
Dartmouth street, northeast corner of Dunbar	41
Davis street, southwest corner of Riverside avenue	56
Davis street, south side, 321.8 feet east of Front	50
Davis street, southwest corner of Front	46
Dean street, southwest corner of Belleville avenue	62
Dean street, southeast corner of Front	50
Delano street, southwest corner of Water	57
Delano street, southeast corner of Acushnet avenue	57
Division street, southeast corner of Second	61
Division street, south side, 527 feet west of County	62
Division street, south side, east of Crapo 6 feet	58
Dudley street, south side, 122 feet east of West French avenue	60
Dudley street, south side, 607 feet west of Brock avenue	48
Dunbar street, southwest corner of Hemlock	50
Durfee street, southwest corner of Cedar	15

Durfee street, southwest corner of Bullock	17
Durfee street, southwest corner of Shawmut avenue	12
Durfee street, south side, 186.6 feet west of Shawmut avenue	14
Earle street, south side, 274.2 feet east of Acushnet avenue	46
East French avenue, west side, 807.2 feet south of Cove	62
East French avenue, northwest corner of Abbott	61
Edwards street, south side, 90 feet east of Field	35
Elm street, southwest corner of Purchase	43
Elm street, southwest corner of Pleasant	37
Elm street, southwest corner of Eighth	21
Elm street, southwest corner of Summer. Flush	18
Elm street, south side, 43.5 feet west of Florence	26
Elm street, southeast corner of Palmer	14
Emerson street, west side, 173.8 feet north of Arnold	29
Field street, northwest corner of Stowell	37
Fifth street, southwest corner of Union	41
Fifth street, southwest corner of School	45
Fifth street, west side, south of Madison 245 feet. Flush	50
Fifth street, northwest corner of Wing	59
Fifth street, northwest corner of Grinnell. Flush	61
First street, southwest corner of Spring. Flush	58
First street, west side, south of School 109 feet. Flush	57
First street, west side, south of Howland 185 feet. Flush	65
First street, northwest corner of Potomska	59
Florence street, southwest corner of Hillman	24
Florence street, northwest corner of Mill	24
Florence street, west side, 199.6 feet south of Kempton	27
Florence street, southwest corner of Morgan	29
Forest street, south side, west of County 90 feet. Flush	53
Foster street, southwest corner of High	30
Fourth street, southwest corner of Union. Flush	46
Fourth street, west side, north of School 106 feet. Flush	46
Fourth street, west side, south of Madison 210 feet. Flush	54
Fourth street, east side, opposite Washington	57
Fourth street, northwest corner of Rockland. Flush	62
Fourth street, west side, South of Potomska 61 feet	58
Franklin street, southwest corner of Pleasant. Flush	43
Franklin street, southwest corner of State	38
Front street, southwest corner of Holly	56
Front street, west side, south of Washburn 319 feet. Flush	62
Front street, southwest corner of Logan	60
Front street, west side, 190.2 feet south of Logan	62
Front street, west side, south of Logan 383 feet	63
Front street, west side, 235.2 feet north of Wamsutta	63
Front street, southeast corner of Wamsutta	63

Front street, southwest corner of Middle	62
Front street, southwest corner of Hazard's lane. Flush	61
Front street, northwest corner of Rodman	61
Front street, southwest corner of Centre. Flush	61
Front street, west side, south of Commercial 86 feet. Flush	63
Front street, northwest corner lane head of Merrill's wharf. Flush	65
Front street, west side, south of Howland 268 feet	61
Front street, southwest corner of Grinnell	62
Front street, west side, south of South 330 feet	62
Front street, west side, 191 feet north of Blackmer	59
Front street, west side, north of Delano 191 feet	62
Front street, west side, south of Delano 200 feet	57
Fruit street, south side, east of Hemlock 126.5 feet	53
Fruit street, south side, 25.5 feet west of Mulberry	46
Gifford street, south side, 274 feet east of Water	65
Gifford street, south side, 167.8 feet west of Harbor	60
Gifford street, south side, 299.3 feet east of Harbor	62
Grand street, south side, 750 feet west of Shawmut avenue	14
Granfield street, west side, 263 feet north of Coggeshall	59
Grape street, south side, west of Lewis 131 feet	36
Grape street, southwest corner of Small	35
Grape street, southwest corner of Devoll	29
Griffin street, southwest corner of Second. Flush	62
Grinnell street, south side, west of Acushnet avenue 76 feet. Flush	60
Grinnell street, south side, east of Crapo 103 feet. Flush	58
Grinnell street, southwest corner of Orchard	50
Grove street, southwest corner of Anthony	26
Grove street, southwest corner of Cottage	30
Harbor street, east side, 195 feet north of Cove	60
Harbor street, east side, 372 feet north of Cove	60
Harbor street, east side, 540 feet north of Cove	60
Harbor street, east side, 195.8 feet south of Gifford	61
Harbor street, southeast corner of Gifford	61
Harmony street, southwest corner of Social	59
Harrison street, southwest corner of Hickory	48
Hathaway avenue, south side, 144 feet east of Acushnet avenue	41
Hathaway avenue, south side, 278.2 feet west of Acushnet avenue	37
Hathaway avenue, south side, 308.9 feet east of Church	32
Hawthorn street, southwest corner of Cottage	28
Hawthorn street, southeast corner of Page. Flush	28
Hawthorn street, south side, east of Tremont 147 feet	28
Hawthorn street, southwest corner of Brigham	26
Hawthorn street, south side, 301 feet west of Brigham	24
Hazard street, south side, west of State 140 feet. Flush	36
Hazard street, southwest corner of Pleasant. Flush	46

Hemlock street, west side, 231 feet south of Rockland	50
Hicks street, south side, east of Acushnet avenue 276 feet	56
High street, south side, east of Acushnet avenue 43 feet. Flush . . .	48
High street, southwest corner of Purchase	42
High street, south side, east of County 177 feet. Flush	23
Highland street, west side, 418.4 feet north of Durfee	12
Hillman street, southwest corner of Second. Flush	57
Hillman street, southwest corner of Purchase	45
Hillman street, southwest corner of Pleasant	35
Hillman street, head of State	27
Hillman street, head of Thomas	23
Hillman street, southwest corner of Chancery	29
Hillman street, south side, 609.5 feet east of Florence	28
Hillman street, southwest corner of Lindsey	26
Hillman street, southeast corner Rockdale avenue	13
Holly street, southwest corner of Belleville avenue	61
Holly street, southwest corner of Bowditch	48
Holly street, southeast corner of Brook	47
Hollyhock street, south side, 318.6 feet east of Field	42
Homer street, southwest corner of Locust	18
Howard avenue, south side, 364 feet east of Acushnet avenue . . .	52
Howland street, northeast corner of Second. Flush	63
Howland street, south side, 19.2 feet west of Prospect	60
Hunter street, southwest corner of Hillman	20
Independent street, south side, 480 feet west of County	57
Independent street, southeast corner of Crapo	56
Irving court, north end of Court. Flush	25
James street, west side, 107 feet north of Arnold	24
James street, southwest corner of Court	24
Jouvette street, south side, west of County 372 feet	59
Katharine street, southeast corner of Crapo	58
Katharine street, south side, 442 feet west of County	57
Keene street, south side, 434 feet west of Park	27
Kempton street, southwest corner of Purchase	40
Kempton street, southwest corner of Pleasant	36
Kempton street, south side, opposite Hill	23
Kempton street, southwest corner of County	15
Kempton street, southwest corner of Summer	14
Kempton street, southwest corner of Emerson. Flush	26
Kempton street, southwest corner of Park. Flush	28
Kempton street, southwest corner of Liberty. Flush	29
Kempton street, southeast corner of Jenney. Flush	26
Kempton street, south side, west of Hunter 50 feet	21
Kempton street, southwest corner of Francis	14
Kilburn street, north side, east of Front 244 feet	62

Kilburn street, north side, east of Front 581 feet	64
Larch street, south side, 120 feet east of Mulberry	45
Larch street, south side, 129 feet east of Hemlock	51
Liberty street, west side, south of Kempton 339 feet. Flush	30
Liberty street, west side, 127.7 feet north of Court	29
Lincoln street, west side, south of Union 171 feet. Flush	23
Linden street, southwest corner of Purchase	53
Linden street, south side, west of State $13\frac{1}{2}$ feet	43
Linden street, south side, west of County 169 feet	34
Linden street, south side, $67\frac{1}{2}$ feet west of Reynolds	24
Linden street, south side, $6\frac{1}{2}$ feet east of Ashland	14
Lindsey street, west side, 173 feet south of Kempton	27
Lindsey street, northwest corner of Morgan	24
Locust street, southwest corner of County	19
Locust street, southwest corner of Chestnut	23
Locust street, southeast corner of Richmond	15
Logan street, south side, east of Acushnet avenue 400 feet. Flush .	62
Logan street, southwest corner of Acushnet avenue. Flush	63
Logan street, southeast corner of Purchase	55
Lombard street, west side, $209\frac{1}{2}$ feet south of Rockland	50
Lucas street, south side, 214 feet west of Brock avenue	49
Madison street, southwest corner of First. Flush	61
Madison street, southwest corner of Water	60
Madison street, southwest corner of Sixth	41
Maitland street, southwest corner of Cedar	19
Maple street, southwest corner of Cottage	25
Maxfield street, southwest corner of Second	58
Maxfield street, southwest corner of Purchase	46
Maxfield street, southwest corner of Pleasant	38
Maxfield street, southwest corner of Foster	33
Maxfield street, southwest corner of County	22
Maxfield street, southwest corner of Chestnut	15
Maxfield street, southeast corner of Spruce. Flush	21
Maxfield street, southeast corner of Ash	22
Maxfield street, south side, 44.4 feet east of Chancery	27
McGurk street, west side, 348 feet north of Brock avenue	55
Mechanics lane, northwest corner of Purchase	42
Mechanics lane, north side, east of Eighth 206 feet. Flush	30
Merrimac street, southwest corner of State	41
Merrimac street, southwest corner of Summer	19
Middle street, southwest corner of Second	52
Middle street, southwest corner of Acushnet avenue	46
Middle street, southwest corner of Purchase	42
Middle street, southwest corner of Pleasant	35
Middle street, southwest corner of Sixth	30

Middle street, southwest corner of County	20
Middle street, south side, east of Cedar 371 feet. Flush	32
Middle street, southeast corner of Chancery. Flush	29
Mill street, southwest corner of Purchase	43
Mill street, south side, west of Hill 191 feet. Flush	25
Mill street, south side, west of Ash 45 feet. Flush	25
Mill street, south side, 104 feet east of Park	25
Mill street, southeast corner of Newton	26
Mill street, southeast corner of Summit	15
Milton street, south side, 85 feet west of Rockdale avenue	11
Mitchell street, northwest corner of Coggeshall	61
Mitchell street, west side, 178.8 feet north of Coggeshall	63
Mitchell street, west side, 345 feet south of Sawyer	61
Mitchell street, southwest corner of Sawyer	61
Moorland terrace, southwest corner of Ash	33
Morgan street, southwest corner of County	20
Morgan street, southwest corner of Cottage. Flush	33
Morton's court, west side, 385.3 feet north of Cove	59
Mosher street, south side, west of County 517 feet	59
Mosher street, southeast corner of Crapo	55
Mt. Pleasant street, west side, south of Tarkiln hill road 35 feet	
Mt. Pleasant street, west side, north of Nash road 1,671 feet	
Mt. Pleasant street, west side, north of Nash road 348 feet	
Mt. Pleasant street, west side, north of railroad fence 285 feet	
Mt. Pleasant street, west side, south of Hathaway road 40 feet	
Mt. Pleasant street, west side, north of Peckham-West cemetery 277 feet	
Mt. Pleasant street, west side, south of Peckham-West cemetery 74 feet	
Mt. Pleasant street, west side, north of reservoir 837 feet	
Mt. Pleasant street, west side, north of reservoir 450 feet	
Mt. Pleasant street, west side, north of reservoir 40 feet	
Mt. Pleasant street, west side, south of Peckham 217 feet	
Mt. Vernon street, southwest corner of Mt. Pleasant	5
Mt. Vernon street, southeast corner of Vine. Flush	5
Myrtle street, west side, 22 feet south of Weld	23
Myrtle street, southwest corner of Clark	18
Nelson street, south side, 541.6 feet west of County	60
Newton street, northwest corner of Elm	29
North street, southeast corner of Second	54
North street, southwest corner of Acushnet avenue	49
North street, southwest corner of Purchase	44
North street, northwest corner of Pleasant	35
North street, southwest corner of Foster	30
North street, southwest corner of Hill	26

North street, southwest corner of County	20
North street, southwest corner of Park	29
North street, south side, 258 feet west of Newton	24
North street, southwest corner of Hunter	22
North street, southwest corner of Beech	17
Nye street, southwest corner of Belleville avenue	60
Nye street, southwest corner of Front	54
Nye street, south side, 311.7 feet west from Acushnet avenue	42
Oak street, southwest corner of Harrison	45
Oak street, northwest corner of Grape	41
Oak street, southwest corner of Allen	38
Ocean street, west side, 184½ feet south of Arnold	32
Orchard street, southwest corner of Madison	27
Orchard street, southwest corner of Grove	34
Orchard street, west side, north of Rockland 98 feet	48
Palmer street, northwest corner of Union	20
Park place, south side, west of Sixth 306 feet. Flush	32
Park street, west side, 27.1 feet south of Maxfield	24
Park street, southwest corner of Hillman	25
Park street, west side, south of Kempton 339 feet	27
Park street, northwest corner of Court	28
Park street, west side, north of Arnold 263 feet	34
Parker street, south side, at Oak Grove cemetery	25
Parker street, southwest corner of Sumner. Flush	27
Parker street, southwest corner of County	21
Pearl street, southwest corner of Pleasant	41
Pearl street, southwest corner of Purchase	50
Phillips avenue, southwest corner of Riverside avenue	56
Pierce street, west side, 253.7 feet north of Court	30
Pine street, northwest corner of Cross. Flush	65
Plainville road, south side, east of Shawmut avenue 705 feet	
Plainville road, south side, east of Shawmut avenue 1,139 feet	
Plainville road, south side, east of Shawmut avenue 2,317 feet	
Plainville road, south side, east of Shawmut avenue 3,113 feet	
Plainville road, south side, east of Shawmut avenue 3,920 feet	
Pleasant street, northwest corner of Market	40
Pleasant street, west side, north of William 21½ feet	40
Pleasant street, east side, foot of Sycamore	39
Pleasant street, northwest corner of Pope. Flush	42
Pleasant street, northwest corner of Austin. Flush	47
Pleasant street, southwest corner of Linden. Flush	48
Pleasant street, southwest corner of Weld	48
Plummer avenue, southwest corner of Riverside avenue	56
Plummer avenue, south side, 177 feet east of Belleville avenue	58
Pope street, south side, opposite North Oak	27

Pope street, southwest corner of Summer	20
Poplar road, south side, 431 feet west of Bolton road	52
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Po- tomska street	64
Prospect street, west side, 275.2 feet north of Grinnell	61
Prospect street, northwest corner of Grinnell	63
Prospect street, west side, north of Potomska 324½ feet	62
Prospect street, northwest corner of Potomska	63
Purchase street, northwest corner of Dean	43
Purchase street, west side, opposite Onoko mill	48
Purchase street, east side, opposite Clark	58
Purchase street, northwest corner of Merrimac. Double	51
Purchase street, northwest corner of Pope. Flush	52
Purchase street, west side, 348 feet south of Campbell	48
Purchase street, northwest corner of Union. Flush	43
Purchase avenue, northeast corner of Purchase	42
Reed street, west side, 145 feet north of Court	19
Reed street, southwest corner of Elm	14
Reed street, southwest corner of Middle	14
Reynolds street, southwest corner of Weld	26
Reynolds street, west side, 17.9 feet south of Clark	29
Richmond street, southwest corner of Maitland	16
Rivet street, southwest corner of Second. Flush	62
Rivet street, southwest corner of County	59
Rivet street, southwest corner of Bonney	59
Rivet street, southeast corner of Bolton road	56
Rivet street, southwest corner of Hemlock	51
Robeson street, southwest corner of County	20
Robeson street, southwest corner of Ashland	15
Robeson street, southeast corner of Cottage	19
Robeson street, southeast corner of Cedar	21
Robeson street, south side, 424 feet west of Cedar	17
Rockdale avenue, southwest corner of Bolton road	57
Rockdale avenue, south side, 327 feet west of Bolton road	54
Rockdale avenue, west side, 79.5 feet north of Milton	10
Rockland street, southwest corner of County	58
Rockland street, southeast corner of Hall	56
Rockland street, south side, 13 feet west of Orchard	54
Rockland street, south side, 179.3 feet east of Hemlock	51
Rockland street, southwest corner of Lombard	50
Rotch street, west side, south of Union 213.7 feet	23
Rounds street, northwest corner of Elm	22
Rural street, southwest corner of Allen	28
Russell street, south side, east of Fifth 92 feet. Flush	54

Russell street, southwest corner of Sixth	47
Russell street, south side, 179 feet west of Sixth	42
Salisbury street, west side, 598 feet south of Cove	53
Sand street, northwest corner of Grit	58
Sawyer street, southwest corner of Bowditch	53
Sawyer street, southwest corner of Acushnet avenue	59
Sawyer street, southeast corner of Belleville avenue	65
Sawyer street, south side, 418.8 feet east of Mitchell	64
Sawyer street, north side, 750 feet east of Belleville avenue	63
School street, southwest corner of Sixth	37
Scott street, south side, 325 feet west of County	59
Second street, northwest corner of Mill. Flush	55
Second street, west side, south of Elm 52 feet	52
Second street, west side, south of Spring 74 feet. Flush	55
Second street, northwest corner of Coffin. Flush	61
Second street, west side, at head of Morgan's lane	60
Second street, west side, north of Grinnell 61 feet. Flush	63
Second street, west side, north of Potomska 232 feet	61
Second street, west side, south of Potomska 122 feet	63
Second street, west side, 188 feet south of Blackmer	59
Seventh street, southwest corner of Union	31
Seventh street, west side, north of Madison 50 feet. Flush	36
Shawmut avenue, southwest corner of Willis	18
Shawmut avenue, southwest corner of Parker	18
Shawmut avenue, west side, head of Locust	17
Shawmut avenue, southwest corner of Robeson	14
Shawmut avenue, west side, north of Austin 195 feet	13
Shawmut avenue, west side, 497 feet north of Durfee	12
Shawmut avenue, southwest corner of Grand	11
Shawmut avenue, west side, 203 feet north of Grand	11
Shawmut avenue, northwest corner of Plainville road	
Sherman street, south side, west of County 314 feet. Flush	51
Shore street, west side, 264 feet south of Cove road	61
Sisson street, northwest corner of Union	25
Sixth street, west side, north of Grinnell 194 feet	60
Smith street, southwest corner of County	28
Smith street, southwest corner of Chestnut	21
Smith street, southeast corner of Spruce	20
Smith street, southeast corner of Shawmut avenue. Flush	22
Smith street, south side, east of Park 5 feet	29
South street, southwest corner of Acushnet avenue	57
South street, southwest corner of Second	59
South street, southwest corner of First	59
South street, southwest corner of Water	63
South street, southwest corner of Prospect	61

Spring street, southwest corner of Water	59
Spring street, southeast corner of Acushnet avenue	51
Spring street, southeast corner of Fifth. Flush	42
Spring street, southwest corner of Seventh	27
State street, southwest corner of Sycamore	31
State street, southwest corner of Pearl. Flush	34
Stone street, west side, 208.6 feet south of Allen	38
Summer street, northwest corner of North. Flush	16
Summer street, northwest corner of Hillman. Flush	16
Summer street, southwest corner of Willis. Flush	26
Sycamore street, southwest corner of Thomas. Flush	30
Sycamore street, southwest corner of Summer. Flush	24
Sycamore street, southwest corner of Chancery	25
Taber street, southwest corner of Page	34
Taber street, south side, 428.7 feet west of Page	31
Tallman street, south side, west of Acushnet avenue 421.9 feet	47
Tallman street, southwest corner of Belleville avenue	61
Thompson street, southeast corner of Bourne	44
Thompson street, southwest corner of Hemlock	50
Thompson street, south side, 99.6 feet east of Hemlock	52
Thompson street, south side, 302 feet west of Bonney	55
Thompson street, south side, 20 feet east of Hall	58
Thompson street, southwest corner of County	59
Tinkham street, south side, 239.2 feet east of Acushnet avenue	41
Tremont street, southwest corner of Union	26
Tremont street, northwest corner of Maple	29
Trinity street, south side, 264 feet west of Cedar	17
Union street, southwest corner of Front	63
Union street, southwest corner of Water	57
Union street, southwest corner of First	56
Union street, southwest corner of Second	52
Union street, southwest corner of Acushnet avenue	48
Union street, southwest corner of Sixth	38
Union street, southwest corner of County	22
Union street, southeast corner of Emerson	28
Union street, southeast corner of Ocean	28
Union street, south side, west of James 61 feet	21
Viall street, west side, 576.1 feet south of Cove	55
Vine street, west side, north of Durfee 215 feet	6
Walden street, southwest corner of Maxfield. Flush	31
Wall street, south side, east of Acushnet avenue 165 feet. Flush . . .	62
Walnut street, northwest corner of Front	61
Walnut street, southwest corner of Water	60
Walnut street, southwest corner of Second. Flush	57
Walnut street, southwest corner of Fourth	48

Walnut street, southwest corner of Seventh	38
Wamsutta street, south side, west of Front 200 feet	65
Wamsutta street, south side, west of Front 372 feet	65
Wamsutta street, south side, east of Acushnet avenue 285 feet. Double	64
Ward street, southwest corner of Bay	44
Warren street, southwest corner of Brock avenue	53
Washburn street, southeast corner of Acushnet avenue	59
Washburn street, south side, west of North Front 228 feet	59
Washington street, southwest corner of County	57
Washington street, southwest corner of Crapo	56
Washington street, south side, west of Orchard 102 feet. Flush .	50
Washington street, southeast corner of Dartmouth. Flush . .	46
Water street, southwest corner of Hillman. Flush	65
Water street, southwest corner of North	64
Water street, west side, south of North 258 feet. Flush	63
Water street, northwest corner of Middle. Double	62
Water street, southwest corner of Elm. Flush	60
Water street, west side, north of Centre 46 feet. Flush	50
Water street, southwest corner of School	60
Water street, west side, head of Pine	67
Water street, west side, head of Leonard	62
Water street, southwest corner of Howland	60
Water street, northwest corner of Grinnell	60
Water street, northwest corner of Potomska	63
Water street, west side, 266 feet south of Potomska	63
Water street, northwest corner of Rivet	63
Water street, southwest corner of Blackmer	63
Water street, northwest corner of Delano	62
Water street, west side, head of Gifford	62
Weld street, southeast corner of Mt. Pleasant	7
Weld street, southwest corner of State	43
William street, southwest corner of Bethel	51
William street, southwest corner of Second	48
William street, southeast corner of Acushnet avenue	47
William street, southwest corner of Purchase	43
William street, southwest corner of Sixth	38
William street, southwest corner of Eighth	37
Willis street, southwest corner of Purchase	50
Willis street, southeast corner of Pleasant	41
Willis street, southwest corner of State	28
Willis street, southwest corner of County	26
Willis street, southwest corner of Cottage	19
Willis street, south side, west of Cedar 200 feet. Flush	18
Willow street, southwest corner of Cottage	15

Willow street, southeast corner of Shawmut avenue	13
Wing street, southwest corner of Fourth. Flush	57
Wing street, southwest corner of Sixth	57
Winsor street, south side, west of County 455½ feet	58
Winsor street, south side, 77½ feet east of Crapo	60

Number of flush hydrants	126
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Number of post hydrants	587
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Total number of hydrants	713
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Summary of Statistics.

REPORT OF 1898

IN ACCORDANCE WITH SUGGESTIONS ADOPTED
BY THE NEW ENGLAND WATER WORKS
ASSOCIATION.

New Bedford Water Works,

Bristol County, Mass.

Population by census of 1895,	55,251
Date of construction,	1866 to 1869, inclusive
By whom owned,	The property of the City of New Bedford
Source of supply,	From a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet river, seven miles north of the centre of the city.
Mode of supply,	By gravitation into the city, thence pumped into a distributing reservoir on an ele- vated site.

PUMPING.

1. Builders of pumping machinery,

- a. McAlpine engine, built by Quintard Iron Works.
- b. Worthington engine, built by Henry R. Worthington.
- c. High duty Worthington engine, built by Henry R. Worthington.

2. Description of coal,

First Contract :

- a. Not applicable.
- b. Bituminous.
- c. Not applicable.
- d. Pocahontas.
- e. Price per gross ton, delivered, \$3.00
- f. Percentage of Ash, 7.
- g. Wood, price per cord, \$4.00.

Second Contract :

- a. Not applicable.
- b. Bituminous.
- c. Not applicable.
- d. Pocahontas.
- e. Price per gross ton, delivered, \$3.50.
- f. Percentage of ash, 7.
- g. Wood, price per cord, \$4.00.

3. Coal consumed for the
year, in pounds,

	McAlpine.	Worthington.	High Duty Worthington.
4. $\frac{\text{Lbs. of wood consumed in}}{3} = \text{coal,}$	1,344,100	527,300	1,248,600
	152	71	73

5. Total fuel consumed for
the year (3) + (4),

1,344,252 527,371 1,248,673

6. Total pumping for the
year in gallons,

910,443,881 241,975,116 1,024,833,324

7. Av. static head against
which pump works,

124.7 131.62 124.9

8. Av. dynamic head against
which pump works,

134.02 133.20 127.26

9. <i>a.</i> Number of gallons pumped per pound of coal (3),	677	459	821
<i>b.</i> Number of gallons raised 100 feet per pound of coal for total coal (3),	907	611	1,044
10. Duty in foot pounds per 100 pounds of coal, using follow- ing formula, mak- ing no deductions for starting, bank- ing fires, heating building, or any- thing else.			
Duty = $\frac{\text{Gallons pumped (6) } \times 8.34 \text{ (lbs) } \times 100 \times \text{dynamic head (8).}}{\text{Total fuel consumed (5).}}$	75,702,140	50,971,186	87,108,891

COST OF PUMPING, FIGURED ON PUMPING STATION
EXPENSES, VIZ.: \$11,834.32.

11. Per million gallons raised against average dynamic head (8) into reservoir,	\$5.44
12. Per million gallons raised one foot high (dynamic),	4 $\frac{16}{100}$ cents

COST OF PUMPING, FIGURED ON TOTAL MAINTENANCE,
(See Financial CC.), Viz.: \$114,398.79.

13. Per million gallons raised against average dynamic head (8) into reservoir,	\$52.54
14. Per million gallons raised one foot high (dynamic),	40 $\frac{18}{100}$ cents

FINANCIAL. MAINTENANCE.

RECEIPTS.		EXPENDITURES.	
A.	Water rates, domestic,	AA.	Management and repairs, less interest and sinking funds,
			\$34,398.79
B.	Water rates, manufacturing,	BB.	Interest on bonds,
			80,000.00
C.	Net water receipts,		
			\$100,116.87
D.	Miscellaneous, sales, etc.,		
			95.00
E.	Total,		
			\$100,211.87
<i>From Public Funds:</i>			
J.	General appropriations, water,		
	General appropriations, debt,		
		DD.	Balance to construction,
			23,213.08
			\$187,211.87

FINANCIAL—Continued.
CONSTRUCTION.

RECEIPTS.		EXPENDITURES.	
R. }	Balance from previous year,	FF. Extensions, main,	\$28,432.80
	Balance from maintenance,	GG. Extensions, services,	
S.	Bonds issued,	a. Services,	\$4,580.12
T. }	Other sources, services, private lines, meters, etc.,	b. Mill piping, fountains and meters,	1,764.39
		HH. Special extensions,	00.00
		II. Total construction for year,	\$34,777.31
		JJ. Balance,	35,840.11
V. Total,		KK. Total,	\$70,617.42

FINANCIAL—*Continued.*

w.	Net cost of work to this date,	\$1,775,427.75
x.	Bonded debt at this time,	560,000.00
y.	Sinking funds,	91,012.12
z.	Average rate of interest,	4 $\frac{49}{100}$ per cent.

CONSUMPTION.

1.	Estimated total population at date,	58,000
2.	Estimated population on lines of pipe at date,	51,000
3.	Estimated population supplied at date,	50,000
4.	Total number gallons consumed for year,	2,156,277,643
5.	Passed through domestic meters,	68,100,337 gallons, or 3 1-10 per cent.
6.	Passed through manufacturing meters,	246,866,887 gallons, or 11½ per cent.
7.	Average daily consumption in gallons,	5,907,610
8.	Gallons per day to each inhabitant (1),	102
9.	Gallons per day for each customer (3),	118
10.	Gallons per day to each tap (distribution 22),	655

DISTRIBUTION.

MAINS.

1.	Kind of pipe used,	Cast iron.
2.	Size,	From 4 to 36 inches.
3.	Extended,	16,033 feet.
4.	Discontinued,	6,403 feet.
5.	Total now in use,	89 $\frac{3335}{10000}$ miles.
6.	Cost of repairs per mile.	\$14.81

7.	Number of leaks for the year,	8
8.	Small distribution pipe, less than 4 inches, total length,	6,236 feet.
9.	<i>a.</i> Fire hydrants added,	20
	<i>b.</i> Watering cart connections discontinued,	1
10.	<i>a.</i> Number of fire hydrants now in use,	713
	<i>b.</i> Number of watering cart hydrants now in use,	44
11.	Stop gates added,	38
12.	Number now in use,	1,012
13.	Small stop gates, less than four inches, total,	72
14.	Number of blow-off gates,	93
15.	Range of pressure at centre for day and night,	28 to 39 lbs.

SERVICES.

16.	Kind of pipe used,	Lead and cast iron.
17.	Size,	From $\frac{1}{2}$ to 10 inches.
18.	Extended,	12,226 feet.
19.	Discontinued,	260 feet.
20.	Total now in use,	58 $\frac{79}{100}$ miles.
21.	Service taps added,	154
22.	Number now in use,	9,014

23.	Average length of service laid during past year,	47 feet
24.	Average cost of service,	
	<i>a.</i> Gross,	\$27.59
	<i>b.</i> Net,	8.99
25.	Meters added,	113
26.	Number now in use,	
	<i>a.</i> Domestic,	669
	<i>b.</i> Manufacturing,	62
	<i>c.</i> Public,	3
27.	Motors and elevators discontinued,	6
28.	Number now in use,	104

IN BOARD OF ALDERMEN,

January 26, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

1 mo. 26, 1899.

Concurred.

WM. A. MACKIE, Clerk.

1899—CITY DOCUMENT No. 4.

FORTY-SEVENTH ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Free Public Library

OF THE

CITY OF NEW BEDFORD,

MASS.

NEW BEDFORD:

E. ANTHONY & SONS, Inc., CITY PRINTERS.

1899.

Officers of the Free Public Library

FOR THE YEAR 1899.

TRUSTEES,

Ex-officio. Terms expire January, 1900.

CHARLES S. ASHLEY, Mayor of the City.

JOHN L. G. MASON, President of the Common Council.

CHARLES H. LAWTON, Chairman of the Committee of the City
Council on Public Instruction.

Elected by the City Council.

FRANCIS M. KENNEDY, Term expires April, 1901.

LEMUEL LEB. HOLMES, Term expires April, 1901.

WALTER S. ALLEN, Term expires April, 1899.

WILLIAM L. SAYER, Term expires April, 1899.

ISAAC B. TOMPKINS, JR., Term expires April, 1900.

MATTHEW C. JULIEN, Term expires April, 1900.

PRESIDENT OF THE BOARD,

THE MAYOR.

CLERK,

WILLIAM L. SAYER.

COMMITTEES,

On the Library—Messrs. JULIEN, HOLMES and SAYER.

On Finance—Messrs. TOMPKINS, KENNEDY and ALLEN.

On the Building—Messrs. HOLMES, ALLEN and LAWTON.

On Branch Reading Rooms—Messrs. JULIEN and LAWTON.

LIBRARIAN,

ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN,

B. W. PENNOCK.

CATALOGUER,

ANNA M. DeWOLF.

ASSISTANTS,

JOSEPHINE A. MERRICK, SUSIE H. GAMMONS, ETTA F.

LAWRENCE, FLORENCE E. FARWELL,

CLEMENT L. YAEGER.

DELIVERY STATION ATTENDANTS,

North Station—B. H. HUMPRIES,

South Station—FRANK O' CONNOR.

PAGES,

EDWARD DAHILL, ALBERT YAEGER, WILLIAM O'HARA,

ROBERT WEAVER.

JANITOR,

YORICK W. AMES.

REPORT.

To the City Council of the City of New Bedford.

GENTLEMEN :—We have the honor to present the forty-seventh annual report of the Board of Trustees of the Free Public Library.

While the increase in the use of the library in 1897 was larger than that in any previous year of its history, the increase in 1898 was larger still. The total circulation in 1898 was 148,529 as against 132,137 in 1897, an increase of 16,392. The increase in 1897 was 15,512 volumes, which in its turn was considerably larger than in 1896. One of the causes which materially contributed to the unusual increase of the past year was the strike. Hardly had the mill gates closed when the demand upon the library began to grow. It was readily observable that a large proportion of the new comers were workers from the mills; some of them, indeed, expressed the view that one of the compensations of the strike was the opportunity which it gave them for reading. The range of literature selected by these working men and women was very wide, including representatives of almost every class. But it was notable that the English classics in fiction and poetry, the standard works of history, and the discussions of political economy and social science were called for to a surprising degree. It is not among the least of the good offices of the library that it furnished solace to so many people in a peculiarly trying situation.

Ten years ago—in 1888—the total circulation was 68,939 volumes. That mark was doubled several years ago; at the present rate of increase, it will be tripled in two or three years more. Such increase makes many demands upon the financial resources of the library. For example, in 1888 it was found necessary to bind only 485 volumes. In 1898, 2,392 were bound and repaired. Such an increase is due chiefly to the increase of home circulation, which wears out books of fiction and the popular works of the hour with great rapidity, particularly as most books do not come from the publishers in very secure bindings. It is not probable, however, that this year will see the binding account quite as large, as a considerable number of books were last year rebound before they had reached the limit of bad condition. But, as the books are more and more used, the expense of replacing those which wear out, and of repairing those which may still be serviceable must, on the whole, continue to grow. The same principle will hold true of most of the running expenses of the library.

For obvious reasons it is impossible to keep an accurate account of the number of readers who frequent the reading-room, and probably the figures would not be of much value if they could be obtained. The fact is patent to all frequenters of the library and to the trustees, that the accommodations for readers and students are farther from meeting the demand than ever. As with the circulation for home use, so with the reading room,—there was an instant increase of patrons with the beginning of the strike. That special demand happily ceased, but its influence in the increased use of the reading room remains.

To a limited extent the opening of the north and south reading rooms has relieved the strain upon the reading room at the library building. A few people who go to

those rooms would if they did not exist resort to the central library. But it is apparent that most of the very gratifying patronage of these rooms is of persons who are drawn to them because they are easy of access. The rooms have now been in operation long enough to leave no doubt that it was wise to establish them, and no question that they must be permanent.

As foreshadowed in the last annual report, the trustees have made the beginning of a collection of photographic reproductions of works of art and architecture. The purchases thus far made form but a small proportion of what a complete collection must be, and probably several years will be required to bring it to a satisfactory condition. Lack of means and lack of room appear to be the chief obstacles in the way of this enterprise. The beginning made has, however, proved very satisfactory to lovers of art, and has been found useful in several directions.

Most of the library reports of the last dozen years have, with greater or less emphasis, called attention to the bad conditions under which the work of the library is done, and especially to the lack of suitable room. At this time, the trustees can do no less than to remind the City Council that with the increased demands upon the library and its working force, the lack of proper accommodations is made more conspicuous than ever.

WILLIAM L. SAYER, Clerk.

APPENDIX.

GENERAL STATISTICS FOR 1898.

Volumes added by purchase,	3,408
Volumes added by binding periodicals,	436
Volumes added by gift,	511
Volumes worn out and withdrawn,	577
Volumes worn out and replaced,	557
Volumes replaced from former rejected list,	12
Net additions,	4,347
Volumes rebound and repaired,	1,957
Pamphlets donated,	549
Library bulletins, serials, etc., donated,	1,020
Periodicals in reading room,	162
Newspapers in reading room,	22
New cards issued,	1,479
Books drawn for home use, (fiction and juveniles 76.2%),	148,529
Increase of circulation over 1897,	16,392
Total number of volumes in library,	70,681

Attendance at the Library on Sundays during 1898: The largest attendance was 119, January 16; November 27, no one in on account of the severe storm; the smallest was 14, June 26 and September 3. The library was closed on Sunday, Dec. 25, Christmas, and on the Sundays of July and August. Total attendance for 42 Sundays, 2,537; average attendance, 60.

January	2,	81		June	5,	35	
"	9,	110		"	12,	21	
"	16,	119		"	19,	31	
"	23,	118		"	26,	14	101
"	30,	77	505	September	3,	14	
February	6,	92		"	11,	37	
"	13,	80		"	18,	45	
"	20,	60		"	25,	43	139
"	27,	90	322	October	2,	28	
March	6,	107		"	9,	43	
"	13,	81		"	16,	61	
"	20,	57		"	23,	50	
"	27,	56	301	"	30,	60	242
April	3,	90		November	6,	47	
"	10,	68		"	13,	80	
"	17,	35		"	20,	79	
"	24,	59	252	"	27,	00	206
May	1,	32		December	4,	92	
"	8,	80		"	11,	61	
"	15,	44		"	18,	94	247
"	22,	36					
"	29,	30	222				

FREE PUBLIC LIBRARY ACCOUNT.

1898.

City appropriation,	\$10,000.00	
Special appropriation,	1,500.00	
Unappropriated fund,	181.48	\$11,681.48

Paid as follows :

R. C. Ingraham,	\$2,250.00	
B. W. Pennock,	1,650.00	
F. E. Farwell,	540.00	
S. H. Gammons,	540.00	
J. A. Merrick,	540.00	
E. F. Lawrence,	540.00	
A. M. D'Wolf,	547.13	
Y. W. Ames,	728.00	
P. H. Dollard,	70.00	
A. Lee,	133.00	
G. C. Lees,	183.00	
H. E. Macy,	169.75	
C. L. Yaeger,	422.50	
E. J. Merrick,	134.66	
L. N. Nichols,	400.00	
R. S. Weaver,	141.50	
W. J. O'Hara,	63.00	
A. Yaeger,	26.25	
R. Ames,	18.00	
W. F. Bannon,	226.00	
E. T. Bannon,	12.50	
B. H. Humphries,	313.50	
Frank O'Connor,	75.00	
B. A. Andress,	229.00	
E. Anthony & Sons,	235.85	
Geo. L. Briggs,	58.75	
Coffin Bros.,	20.00	
W. H. Collins & Co.,	545.85	
H. S. Hutchinson & Co.,	489.55	
H. H. Sampson,	137.20	
Library bureau,	38.46	
Mercury Pub. Co.	65.50	
Greene & Wood,	22.50	
N. P. Hayes,	7.03	
N. B. Gas and Edison Light Co.,	39.24	
So. Mass. Telephone Co.	21.00	
A. P. Pope,	47.76	\$11,681.48

SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY FUND.

Balance from old account,	\$911.13	
Income,	3,000.00	\$3,911.13
Expenditures,	\$3,752.53	
Balance,	158.60	\$3,911.13

The detailed statement of the expenditures from the income of this fund is as follows :

Academy Nat. Science,	\$5.00
Am. Antiquarian Society,	3.00
Am. Magazine,	5.50
Appleton & Co.,	16.20
J. O. Austin,	5.00
F. W. Bailey,	2.00
Bancroft, Whitney Co.,	24.00
N. J. Bartlett & Co.,	565.79
F. S. Blanchard & Co.,	1.50
Boston Book Co.,	2.50
Boston Society of Natural History,	4.00
Bradlee & Whidden,	20.00
William Briggs,	3.14
Z. M. Briggs,	2.50
John W. Cadby,	23.50
T. H. Castor & Co.,	27.51
Century Co., H. E. Hooper,	19.00
J. P. Cilley,	1.00
A. S. Clark,	2.80
Henry T. Coates & Co.,	36.20
Damrell & Upham,	4.63
Egypt Exploration Fund,	5.00
Essex Institute,	6.00
W. A. Greenough & Co.,	8.50
Helman Taylor Co.,	5.00
Historical Society, Penn.,	3.00
W. S. Houghton,	3.50
H. S. Hutchinson & Co.,	1,208.65
H. S. Inman,	11.75
Johns Hopkins Press,	11.92
Jordan, Marsh & Co.,	27.49
Judge Pub. Co.,	2.00
M. M. Karagavourian,	1.50
Geo. M. King,	2.00
Geo. T. King,	1.50
Chas. E. Lauriat Co.	15.85
Little, Brown & Co.,	27.53

S. F. McLean & Co.,	14.00	
Mann & Hastings,	4.94	
R. C. Miller,	3.00	
S. E. Miller,	9.50	
Myron & Munson,	6.00	
New England Pub. Co.,	1.50	
Publishers' Weekly Co.,	13.50	
Sidney S. Rider,	22.00	
Edward Roth,	5.00	
Chas. G. Russell,	1.88	
H. H. Sampson,	1.65	
Sampson, Murdock & Co.,	15.50	
C. R. Sherman,	1.50	
G. E. Stechert,	176.27	
R. W. Taber,	1,275.81	
Jos. Thornton & Sons,	70.07	
H. C. Vaughn,	3.00	
W. H. Walker,	2.45	
H. P. Willis,	9.00	\$3,752.53

GEORGE HOWLAND, JR. FUND.

Unexpended balance of income,	\$191.23	
Income,	96.00	\$287.23
Expenditures :		
American Technical Book Co.,	\$10.80	
R. B. Hassett,	20.00	
Houghton, Mifflin & Co.,	25.00	
Huguenot Society, London,	109.75	
Little, Brown & Co.,	25.00	
Balance,	96.68	\$287.23

CHARLES W. MORGAN FUND.

Unexpended balance of income,	\$85.61	
Income,	60.00	\$145.61
Expenditures :		
N. J. Bartlett & Co.,	\$19.93	
Geo. E. Littlefield,	67.84	
Balance,	57.84	\$145.61

JAMES B. CONGDON FUND.

Unexpended balance of income,	\$43.91	
Income,	30.00	\$73.91
Expenditures :		
G. E. Littlefield,	\$16.22	
Balance,	57.69	\$73.91

OLIVER CROCKER FUND.

Unexpended balance of income,	\$13.65	
Income,	60.00	\$73.65
Expenditures :		
Geo. E. Littlefield,	\$73.43	
Balance,	22	\$73.65

GEORGE O. CROCKER FUND.

Unexpended balance of income,	\$13.58	
Income,	400.00	\$413.58
Expenditures :		
N. J. Bartlett & Co.,	\$11.43	
Balance,	402.15	\$413.58

CHARLES L. WOOD FUND.

Unexpended balance of income,	\$68.05	
Income,	80.00	\$148.05
Expenditures :		
G. E. Littlefield,	137.90	
Balance,	10.15	\$148.05

DOG FUND.

Balance,	\$163.33	
Amount from County Treasurer,	1,340.41	\$1,503.74
Expenditures :		
Almy & Milne,	\$3.00	
E. Anthony & Sons,	71.00	
Berlin Photo Co.,	2.57	
L. Bernandat & L. Avon,	6.61	
Boston Book Co.,	57.00	
J. Q. Bradish & Co.,	13.92	
Geo. L. Briggs,	6.45	
Briggs & Lawrence,	3.25	
F. S. Brightman & Co.,	4.45	
T. S. Buck,	3.00	
A. S. Clark,	12.65	
W. H. Collins & Co.,	99.20	
Damrell & Upham,	2.98	
C. H. Dunton & Co.,	2.40	
Fratelli Allinari,	98.94	
W. S. Houghton,	16.00	
H. S. Hutchinson & Co.,	53.85	
Library Bureau,	38.52	
Mercury Pub. Co.,	17.39	
Morse Twist Drill & Machine Co.,	24.12	
Carlo Maya,	1.60	

G. H. Phillips,	3.00	
C. B. Richard & Co.,	9.41	
H. H. Sampson,	462.00	
P. B. Sanford,	20.25	
J. S. Sisson,	3.00	
So. Mass. Tel. Co.,	20.18	
Wm. M. Spooner,	6.25	
R. W. Taber,	8.88	
Taber-Prang Art Co.,	75.24	
R. Tamme,	2.04	
C. D. Waldron,	1.00	
G. W. Wilson & Co.,	38.56	
Balance,	315.03	\$1,503.74

READING ROOM FUND.

Balance,		\$2,005.87
Expenditures :		
B. Andress,	\$76.00	
E. Anthony & Sons,	12.00	
W. F. Bannon,	56.50	
G. L. Briggs,	69.62	
W. H. Collins & Co.,	6.00	
C. L. Dunham,	143.89	
B. H. Humphries,	56.50	
H. S. Hutchinson,	20.00	
Mercury Pub. Co.,	12.00	
N. B. Gas Co.,	142.40	
G. D. Richards,	2.05	
R. W. Taber,	15.35	
Francis Thorley,	20.41	
Balance,	1,373.15	\$2,005.87

FREE PUBLIC LIBRARY ACCOUNT,

TOTAL EXPENDITURES FOR YEAR 1898.

Salaries and wages,	\$10,141.79
Purchase of books,	4,373.83
Periodicals,	625.63
Binding,	1,214.70
Newspapers,	167.37
Printing,	377.74
Sundries,	124.53
Supplies,	181.47
Photographs and mounting,	240.15
Reading rooms, (exclusive of salaries),	325.53
	\$17,772.74

GIFTS, 1898.

	Volumes.	Pamphlets.
American Agriculturist Library	2	
American Anti-Vivisection Society		1
American Art Society		1
American Congregational Association		1
American Economist		1
American Irish Historical Society	1	
American Unitarian Association		1
Amherst College		1
Andover Theological Seminary		1
Balch, Thomas, Philadelphia, Pa.	1	
Bancroft Company of New York		1
Bancroft Whitney Company, San Francisco		1
Bartlett, Geo. F., New Bedford		1
Batten, John Moulton, Pittsburg, Pa.	1	
Bell, Wm. S., Oakland, Cal.		1
Benton, J. H., Jr., Boston	1	3
Boston Book Binding Company		1
Boston City Government		1
Bostonian Society	1	
Bowdoin College		2
Brookline Historical Publication Society		3
Brooklyn Civil Service Commission		1
Brown University		2
Brownell, T. Frank	16	53
Buckminster, Joseph	3	
Buffalo Historical Society		2
Bunker Hill Monument Association	1	
Butler Hospital for the Insane		1
Cambridge, Mass., City of	1	
Cambridge Woman's Christian Temperance Union	1	
Channing, Walter, M. D.		3
Chase, Walter G.		1
Chelsea, Mass., City of	1	

Children's Sunday School of the Church of Christian Scientists	1	
City of New Bedford	139	3
Civil Service Reform Association, N. Y.		3
Clarke, George K., Boston, Mass.	1	
Colby University, Waterville, Me.	1	
Commonwealth of Massachusetts	22	6
Cornell University Agricult. Experiment Station		8
Cushman, Austin S.	24	
Cutter, Abram E., Charlestown, Mass.		1
Denissen, Christian, Detroit, Mich.	1	
Doles, Isaac	1	
Elkins, William L.	1	
Emery, Wm. M., New Bedford 35 Nos.	4	4
Fairmount Park Art Association, Phil.		1
Fenton Metallic Mfg. Co., Jamestown, N. J.		1
Field Columbian Museum 5 Nos.		
Foote, Allen Ripley, Takoman Park, D. C.		1
Ford, Andrew	1	
Free Religious Association, Boston		1
Francis, John C., London, Eng.		1
Gallinger, Jacob H., <i>M. C.</i>	1	
General Offices Commissioner-General for the U. States to the Paris Exposition		2
Government of the U. States.		
Bureau of American Republics	2	
Bureau of Education 4 Nos.	1	
Civil Service Commission		4
Congress (Docs. in sheep)	135	
Department of Agriculture 24 Nos.		89
Department of the Interior	3	21
Department of Labor 12 Nos.	1	
Department of the Navy		3
Department of the Treasury		5
Department of War	15	8
Geological survey, ... Atlas and 9 maps.		
Interstate Commerce Commission	1	
Patent Office	5	
Pension Bureau		1
Superintendent of Documents 12 Nos.		
Miscellaneous	37	16
Green, Dr. Samuel A.	8	38
Gray, Edward McQ., Florence, N. M.		
Gunton Institute 4 Nos.		

Hall, Charles H., New Bedford	1	
Hall, Mrs. Wm. F., New Bedford . . . 104 Nos.	5	
Hanna, H. H., Indianapolis		1
Hartford Theological Seminary		1
Harvard University	1	
Harvard University Library 1 No.		1
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Henderson, David B., M. C.		1
Houghton, F. O.	1	
Indian Rights Association, Phil.		3
Johns Hopkins University 4 Nos.		2
Johnson, Chas. Sweet, Washington, D. C.		1
Johnson, J. B.		1
Julien, Matthew C., New Bedford		1
Kansas State Agricultural College, Manhattan, Kansas, ...		1
King, Henry F., West Newton, Mass.		1
Kirschbaum, William G. MS.		
Lake Mohunk Arbitration Conference		1
Lawrence Scientific School, Camb., Mass.		1
Libbey Glass Company, Toledo, Ohio	1	

Libraries :

<i>Catalogues, Bulletins and Reports :</i>	Nos.	
Baltimore. Enoch Pratt Free Library . . . 4		
Peabody Institute		1
Boston Public Library 12		1
Brookline Public Library 4		1
Brooklyn Library 2		1
Free Lending Library		2
Buffalo Public Library		1
Burlington, Vt. Fletcher Free Library . . .		1
Cambridge, Mass. Free Public Library . . 12		1
Harvard University Library 1		2
Cedar Rapids Masonic Library 4		
Chelsea. Fitz Public Library		1
Chicago Public Library		1
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Cincinnati Public Library 4		
Clinton, Mass. Bigelow Free Public Library		1
Danvers, Mass. Public Library		1
Detroit Public Library		1
Fall River Public Library		2
Fitchburg Library 4		1
Germantown. Friends' Library		1
Hartford. Case Memorial Library 10		
Public Library 10		1

Helena, Montana. Public Library	2
Hoboken, N. J., Free Public Library	1
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Indianapolis Public Library	1
Jersey City Public Library 9	1
Lawrence Public Library 3	1
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London, Eng., Library of St. Martin's-in-the- Fields	1
Los Angeles Public Library	1
Lowell City Library 4	
Lynn Public Library 1	1
Malden Public Library	3
Medford Public Library	1
Milwaukee Public Library 2	3
Minneapolis Public Library 3	2
Monmouth, Ill. Warren Co. Library . . . 4	
Natick, Mass. Morse Institute Library . . .	1
New Haven, Conn. Free Public Library . 8	1
New Orleans. Fisk Free and Public Library	1
New York. Aguilar Free Library	1
General Soc. of Mechanics and Tradesmen	1
Mercantile Library Association 1	1
Public Library 12	
Newark, N. J. Free Public Library	1
Newport. Redwood Library	1
Newton Free Library	1
Northampton. Forbes Library	1
Paterson, N. J. Public Library 8	1
Peoria Public Library	1
Philadelphia. Apprentices Library Company	1
Library Company 2	1
Mercantile Library Company 4	1
Pittsburg, Pa. Carnegie Library 12	3
Portland Public Library	1
Providence Athenæum 10	1
Public Library 14	1
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Public Library	2
Salem Public Library 11	1
San Francisco Public Library 14	1
Somerville Public Library 11	1
Springfield. City Library Association . . 12	1
Syracuse. Central Library	1
Taunton Public Library	1

Waltham Public Library	8	
Watertown Library		1
Worcester Free Public Library	13	1
Lippitt, Charles Warren	2	
Mackenzie College, S. Paulo, Brazil	2 Nos.	
Macomber, John W., New Bedford, ...		1
Marburg, Theodore, Balt., Md.	1	
Massachusetts Institute of Technology		1
Merrill, Edward B.	68 Nos.	3
Mount Holyoke College, S. Hadley, Mass.		1
Murray, Thomas H., Boston		1
Matthews, Geo. E. & Co., Buffalo, N. Y.	2	
New England Water Works Association, New London, Conn.		1
New Orleans Lodge, No. 30, B. P. O. Elks		1
New York Farmers, N. Y. City	1	
New York Genealogical and Biographical Society		1
New York State.	2	2
Board of Health	2	1
Bureau of Statistics of Labor		1
University of the State of N. York	3 Nos.	4
Northampton Lunatic Asylum		1
Office of Indian Commissioners		1
Olmstead, Dwight Hinckley, New York	1	
Palmer, Mrs. Chas. Follen	1	
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Princeton University	1	1
Publishers of the "Cuba," 1123 Broadway, N.Y.		1
Merrick, Josephine A., New Bedford	1	
Purrington, Oliver, New Bedford	2	
Ranck, Samuel H., Baltimore, Md., ...		1
Richards, Lysander Salmon, Marshfield Hills, Mass.	2	
Ritchie, John, Jr., Boston, Mass.	1	
Robinson, Charles and Sara T. D., Lawrence, Kansas	1	
Royal Society of Canada	1	
Sadler, Ralph, London, ...	1	1
San Bernardino Daily Sun, S. B., Cal.		1
Sayer, William L., New Bedford	8	
Schurman, J. G., Ithaca, N. Y.	1	
Scott Stamp and Coin Co., N. Y.		2
Sellers, Edwin Jaquette, Phil., Pa.	1	
Sinms, Joseph, New York, ...	1	
Smithsonian Institution, Washington, D. C.	5	3

Socialist Labor Party		1
Société d'Histoire Contemporaine, Paris		1
Sound Currency Committee of the Reform Club, N. York 16 Nos.	1	
Sturtevant, B. F., Co.	1	
Sutton Commandery, No. 16 Engraving.		
Swain Free School, New Bedford, ...		1
Taber, C. A. M., Wakefield, Mass.	1	
Towle Manufacturing Co., Newburyport, Mass.	1	
Trans-Mississippi International Exposition, Omaha		1
Trustees of Public Reservations		1
University of California		1
University of Chicago	1	
Unknown		1
University of Nebraska: U. S. Ag. Experiment Station, Lincoln, Neb.		2
University of Pennsylvania	1	1
University of Tennessee, Knoxville		1
University of Vermont: State College	1	
Vincent and Hayne	1	
Viola Bureau, Washington, D. C.		1
Wady, George H., New Bedford	5	
Wells College, Aurora, N. Y.		1
Wisconsin Free Library Commission, Madison, Wis.		1
W. J. Johnston Company, N. Y.		1
Wood, Allen F., New Bedford		3
Yale University, New Haven, Conn.	1	3
Young Men's Christian Association, New Bed- ford 42 Nos.		
Youth's Companion, Boston		1

PERIODICALS, ETC.

Allen, Walter S., New Bedford. Deutsche National Literatur, Hrsgb. von Joseph Kuerschner. 536 l.fg. Stuttgart, 1882-98. 8°.

American Anti-Vivisection Society. Journal of Zoophily 1898. Phil., 1898. 4°.

American Peace Society. The Advocate of Peace, 1898. Bost., 1898. 8°.

Anthony, Rowland C., N. Y. A large painting of a ship formerly commanded by Capt. Rowland R. Crocker, of New Bedford.

Brooks Club. The Grace Church Monthly. New Bedford, 1898. 4°.

Catholic Union Publishing Company. The Catholic Union, 1898. New Bedford, 1898. fo.

Christian Science Pub. Society. The Christian Science Journal, 1898. Bost., 1898. 8°.

Christian Science Sentinel. Bost., 1898. fo.

Cook, Thomas, & Son. Cook's Excursionist, 1898. N. Y., 1898. fo.

Filmer, John *and others*, Eds. The New Earth, 1898. N. Y., 1898. fo.

Grieve, Robt. Providence Journal of Commerce. Prov., 1898. 4°.

Holy Cross College, Worcester. The Holy Cross Purple, 1898. Wore., 1898. 8°.

Howe, William W. Home Protective Guard. [Stationed at Fort Phoenix]. Roster and Journal, MS. 1861. 4°.

Labor News Company. The People, 1898. N. Y., 1898. fo.

Lummis, Chas. F., Ed. The Land of Sunshine, 1898. Los Angeles, Cal., 1898. 8°.

Money Pub. Company. Money, N. Y., 1898. 12°. 4 Nos.

Plummer, Charles W. A Bald-Headed Eagle, shot at Nashawena, 1898.

Publishers.

The American Citizen, 1898. Bost., 1898. fo.

The American Sentinel, N. Y., 1898. fo. 25 Nos.

L. A. W. Bulletin and Good Roads. Bost., 1898. 8°.

National Single Taxes. N. Y., 1898. fo. 22 Nos.

The New Philosophy. Urbana, Ohio. 4°. 8 Nos.

The Paradise of the Pacific. Honolulu, 1898. 4°. 11 Nos.

The Primitive Methodists' Journal. Fall River, 1898. fo. 3 copies.

Reorganized Church of Jesus Christ of Latter Day Saints. The Saints' Herald, 1898. Lamoni, Iowa, 1898. 8°.

Autumn Leaves, 1898. Lamoni, Iowa, 1898. 8°.

Temple Pub. Company. The Temple, Denver, Col. 8°. 10 Nos.

Travelers Insurance Company. Travelers Record, Hartford, 1898. 4°. 12 Nos.

Trinitarian Church Club. The Messenger, 1898. New Bedford, 1898. 4°.

University of Tennessee. Tennessee University Magazine, 1898. Knoxville, 1898. 8°.

IN BOARD OF ALDERMEN,

Feb. 23, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

2 mo. 23, 1899.

Concurred.

WM. A. MACKIE,
Clerk.

1899—CITY DOCUMENT No. 5.

ANNUAL REPORT
OF THE
CHIEF ENGINEER
OF THE
FIRE DEPARTMENT
OF THE CITY OF NEW BEDFORD,



FOR THE YEAR ENDING DECEMBER 31, 1898.

FREDERICK MACY, Chief Engineer.

NEW BEDFORD:
E. ANTHONY & SONS, Incorp., CITY PRINTERS.
1899.

COMMITTEE OF THE CITY COUNCIL
ON
FIRE DEPARTMENT,
1898.

Aldermen,

DR. M. V. SYLVIA,

Residence, 34 Wing Street.

CHARLES E. ELLIS,

Residence, East French Ave.

Councilmen,

JAMES DAVIDSON,

Residence, 993 County Street.

CRAWFORD L. DUNHAM,

Residence, 131 Merrimac Street.

JOHN A. TAYLOR,

Residence, 210 Park Street.

ENGINEER'S DEPARTMENT.

Chief Engineer,
FREDERICK MACY,
Residence, 234 Acushnet Avenue.

First Assistant Engineer,
LORING T. PARLOW,
Residence, 39 High Street.

Second Assistant Engineer,
EDWARD F. DAHILL,
Residence, 764 County Street.

Third Assistant Engineer,
JAMES J. DONAGHY,
Residence, 83 Washington Street.

Fourth Assistant Engineer,
WILLIAM A. GIBBS,
Residence, 181 Fourth Street.

Clerk of Board of Engineers,
FREDERICK B. MACY,
Residence, 22 Parker Street.

Master Mechanic,
DANIEL D. BRIGGS,
Residence, 43 Bedford Street.

Assistant Master Mechanic,
GEORGE H. PARKER,
Residence, 40 Parker Street.

Department Engineer,
HENRY J. MARSHALL,
Residence, 261 Fourth Street.

Spare Engineer,

JOHN CROWLEY,

Residence, 499 South First Street.

Department Drivers.

CHAS. A. HASKINS,

Residence, 256 Kempton Street.

FRANK A. LEWIS,

Residence, 208 Kempton Street.

Department Lineman,

WILLIAM CURTIS,

Residence, 43 Wing Street.

Permanent Man,

JOHN W. DONAGHY,

Residence, 6 Engine House.

REPORT.

HEADQUARTERS FIRE DEPARTMENT,
CITY HALL, NEW BEDFORD,
December 31, 1898.

GENTLEMEN :—In compliance with the requirements of the City ordinance governing the Fire Department of the city, I herewith submit to you my twenty-second annual report of the condition and work performed by this department for the year 1898 together with a list of members, with their rank, number of badge, age, residence, and occupation; location of hydrants and fire alarm boxes; a statement of receipts and expenses; fires and alarms; losses and insurance, as near as could be ascertained; and such suggestions as I think will be necessary for the good of the department.

The department is in very good condition and everything has run along very smoothly during the year, and while we have had the usual number of fires, I am happy to state that our losses have been small.

The discipline of the department has been good and the members have been prompt in responding to all alarms and have performed their duties in a satisfactory manner.

The most serious fire we had during the year, as far as

money loss was concerned, occurred on the afternoon of September 21st, when the large carriage establishment of George L. Brownell was seriously damaged. The good work done by this department was never more appreciated, as at one period it looked like a serious conflagration.

The saddest event of the year occurred on the night of November 11th, when the building on the corner of Beetle and Granfield streets, owned and occupied by Adelard Godreau, was burned.

This was a frame three story building, the lower story being used as a stable and carriage house and the two upper floors as tenements, the only means of egress from which was one narrow flight of stairs.

The fire started in the stable and spread rapidly, the stairs were soon cut off, and Mrs. Godreau and her daughter saved themselves by sliding down the conductor pipe, but the people above were not so fortunate.

We got our men on the upper floors as soon as possible and found Mrs. Ludger Paquin and a two-year-old daughter of Mrs. Gauthier dead, and Mrs. Gauthier, her mother Mrs. Bradley, and Ludger Paquin insensible. They were revived somewhat and sent to St. Luke's Hospital, where Mrs. Bradley and Mrs. Gauthier died. The building was a perfect death trap, and should have been provided with some better means of escape from the upper floors.

At a fire corner of Cedar and Middle streets, December 30th, Samuel, a three-year-old son of David Kanuck, was so badly burned that he died at St. Luke's Hospital in a few hours.

I regret to have to report the death of two of the members of the department. Mark Watson, Lieutenant of Hose Co. No. 2, was drowned on October 25th, and Samuel W. Mitchell, Lieutenant of Engine Co. No. 2,

died on the first of November. They were both enthusiastic firemen and are sadly missed by their comrades.

FORCE OF THE DEPARTMENT.

The force of the department consists of two hundred and twenty-two members, divided as follows: Forty-five permanently employed and one hundred and seventy-eight call men.

APPARATUS.

The apparatus consists of eight steam fire engines, all in first-class order, one hand engine at the Head of the River, two two-wheeled and one four-wheeled hose reels, seven hose wagons, one combination chemical, three Hayes Aerial ladder trucks in commission, (one Ryan truck in reserve,) nine exercise and coal wagons, and one telegraph wagon.

HOUSES.

There are eight brick and one frame engine-houses, all in good order and will need little done to them the coming year.

HORSES.

There are forty-five horses belonging to the department all in very good condition. It may be necessary to purchase two or three the coming year for spare.

HARNESSES.

There are five sets of harnesses for three-horse hitches,

thirteen for two-horse and ten single harnesses, all in good order.

HOSE.

There are seventeen thousand five hundred feet of two and one-half inch cotton rubber-lined hose in good condition.

WATER SUPPLY.

The number of hydrants Jan. 1, 1898, was six hundred and ninety-three (693), added during the year twenty (20), making a total of seven hundred and thirteen (713.)

We have also twenty-seven reservoirs in good condition to be used in case of necessity.

FIRE ALARM.

We have had considerable trouble with the fire alarm during the year.

During the storm of November 27th, the system was rendered completely useless for nearly one week and it was several weeks before it was in complete running order. Our wires and poles were down in every direction, and being mixed up with electric light and trolley lines did a large amount of damage by burning out our boxes, gongs and magnets in the bell strikers. It has been an expensive job for the city, but I think the best argument we can have, in favor of underground fire and police alarm wires. We have done considerable in this line during the year having now three miles of lead covered cables in the centre of the city, and I would recommend that there be an appropriation made each year to continue the work until it is all put where it be-

longs. I would also recommend that our old six circuit repeater be exchanged for one of ten circuits.

The city has increased so much in size the last dozen years that it has outgrown our fire alarm.

The circuits are so large that in case of accident there is too large a proportion of the city exposed. I would also recommend that our present gravity battery be changed to a storage battery, which will be not only safer but can be run at much less expense.

Everything in this department depends on the good working of the fire alarm and it should be as near perfection as possible.

There has been only one box added during the year, which was placed at the corner of Walnut and Seventh streets and numbered forty-three (43).

We have now eighty-seven (87) boxes, twenty-seven (27) of which are private; forty (40) miles of wire, twelve (12) bells and strikers, nine (9) fifteen-inch engine-house gongs, seven (7) seven-inch engineer's gongs, and ten (10) small tappers, operated by a gravity battery of two hundred and fifty cups.

UNDERGROUND CABLES LAID IN 1898.

1,117 feet 20 wire cable.
1,088 feet 16 wire cable.
515 feet 12 wire cable.
1,316 feet 10 wire cable.
2,358 feet 9 wire cable.
2,163 feet 7 wire cable.
833 feet 6 wire cable.
3,357 feet 5 wire cable.
832 feet 4 wire cable.
835 feet 3 wire cable.
1,462 feet 2 wire cable.

15,877

PROTECTIVE DEPARTMENT.

The members of this department have been prompt in responding to all alarms and have rendered valuable assistance.

RECEIPTS AND EXPENDITURES.

General appropriation 1898,	\$62,800.00	
Special appropriation 1898,	15,700.00	
Receipts from treasurer, (second audit),	.75	\$78,500.75
Expenditures for 1898,	\$78,460.51	
Transferred to unappropriated funds, balance,	40.24	\$78,500.75

CONCLUSION.

To His Honor the Mayor and gentlemen of the City Council, for the interest taken in this department, to the Board of Engineers, for their hearty support, and to the officers and members of the fire and police departments, for the faithful manner in which they have performed all their duties, I return my most sincere thanks.

FREDERICK MACY,

Chief of Fire Department.

STATEMENT OF EXPENDITURES.

Salaries,	\$2,300.00
Pay rolls,	58,670.49
Shoeing and blacksmithing,	1,174.63
Hay and straw,	2,580.05
Grain,	1,696.77
Supplies,	1,750.98
Lights,	852.94
Wood and Coal,	1,382.00
Rents,	120.00
Telephones,	450.00
Fire Alarm supplies,	561.46
Engine and wagon repairs,	661.16
Repairs of buildings,	2,301.99
Horses,	1,570.00
Horse hire,	480.84
Printing and incidentals,	721.70
Harnesses and repairs,	647.44
House furnishings,	197.06
Hose,	341.00
	\$78,460.51

ONWARD STEAM FIRE ENGINE COMPANY, No. 1.

House on Purchase street, foot of Franklin street. Engine built by Amoskeag Manufacturing Co., Manchester, N. H.; capacity 500 gallons per minute; weight of engine as drawn to fires 6,950 pounds; put into service August 26, 1869. Present company organized December 30, 1871.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
April 24, 1893,	10	James L. Haskins,	Captain,	33	Engine House,	Permanent.
July 28, 1890,	16	Charles H. Thomas,	1st Lieut.,	41	87 Locust st.,	Roll coverer.
June 30, 1892,	9	Robert Woolfenden,	2nd Lieut.,	32	400 Pleas'nt st.,	Clothing d'l'r.
Jan. 28, 1873,	7	Julian A. Sweet,	Clerk,	49	134 State st.,	Roll coverer.
May 7, 1883,	11	Fred. W. Brightman,	Hoseman,	39	Kempton st.,	Paint manf.
Dec. 29, 1884,	19	John Whitehead,	"	52	580 P'rch'se st.,	Copper w'k'r.
May 31, 1880,	14	Charles A. Wilson,	"	42	95 Walden st.,	Carpenter.
July 31, 1893,	18	John Woolfenden,	"	35	400 Pleas'nt st.,	Jeweler.
Mar. 25, 1895,	6	Law. T. Woolfenden,	"	26	441 Pleasa't st.,	Shoe dealer.
July 30, 1894,	13	Herbert C. Gifford,	"	26	643 P'rch'se st.,	City foreman.
Mar. 30, 1896,	17	Thomas Walmsley,	"	29	1 Ashland,	Clerk.
Mar. 30, 1897,	15	William O. Martin,	"	24	68 Spruce st.,	Carpenter.
Sept. 30, 1895,	12	Edward F. Tripp,	Substitute,	36	359 Pleasa't st.,	Painter.
April 5, 1897,	8	Edward L. Wilson,	"	31	Pleasant st.,	"
June 9, 1894,	20	John H. Backus,	Engine- [man,	46	Engine House, [Merrimac,	Engineman.
Dec. 1, 1894,	22	George F. Backus,	Stoker,	25	Purchase and	Machinist.
June 9, 1894,	21	Edward F. Cowen,	Driver,	49	Engine House,	Driver.
Dec. 1, 1894,		William H. Young,	"	36	" "	"

PROGRESS STEAM FIRE ENGINE COMPANY, No. 2.

House, corner Purchase street and Mechanics lane. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into commission November 6, 1884. Company organized October 27, 1860.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Nov. 1, 1862,	25	John Downey,	Captain,	61	119 No. Sec'd st,	Laborer.
July 2, 1894,	31	J. H. Dollard,	1st Lieut.,	43	42 Ash st.,	Stone Cutter.
April 22, 1896,	33	C. P. Johnson,	2nd Lieut.,	39	218 P'rch'se st.,	Mechanic.
Dec. 1, 1890,	24	J. L. Crowley,	Clerk,	29	252 Chestnut st,	Plumber.
Sept. 7, 1874,	32	C. F. Dean,	Hoseman,	42	59 Elm st..	Painter.
July 3, 1876,	34	Moses Dean,	"	44	202 P'rch'se st.,	Blacksmith.
Jan. 12, 1892,	28	H. A. Sherman,	"	44	327 County st.,	"
Jan. 12, 1892,	30	G. W. Haskins,	"	29	359 Pleasant st,	[trimmer. Carriage
April 22, 1896,	27	J. W. Baker,	"	37	69 Mechanics [lane,	Carpenter.
July 1, 1896,	35	Wm. L. Durfee,	"	25	81 School st.,	Driver.
June 6, 1898,	29	Jesse Oliver,	"	25	212 No. Sec'd st,	Laborer.
April 22, 1896,	37	C. E. Robertson,	"	23	71 Foster st.,	Mill hand.
Aug. 1, 1898,	26	A. R. Morse, Jr.,	Substitute,	26	208 Kempton st,	Driver.
Nov. 7. 1898,	36	T. S. Downey,	"	22	119 No. Sec'd st,	Grocer.
Aug. 23, 1892,	38	B. G. Groves,	Engineer,	42	Engine House,	Engineer.
June 25, 1893,	39	Charles Allen,	Driver,	42	" "	Driver.
April 26, 1895,	41	Roland Hatch,	"	29	" "	"
April 1, 1897,	40	Oscar Hammond,	Stoker,	29	" "	Stoker.

CORNELIUS HOWLAND STEAM FIRE ENGINE COMPANY, No. 4.

House, corner Sixth and Bedford streets. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity 500 gallons per minute; weight of engine as drawn to fires 7,000 pounds; put into service May 20, 1884. Company organized February 1, 1867.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Sept. 29, 1872,	44	Charles S. Wing,	Captain,	44	279 Acush. ave,	Permanent.
	51	John E. Joseph,	1st Lieut.,	29	97 So. Sixth st ,	Clerk.
May 28, 1894,	45	Louis A. Vierick,	2nd Lieut.,	28	111 Grinnell st.,	Machinist.
Feb. 16, 1888,	49	Frank C. Jennings,	Clerk,	32	19 Allen st ,	Oil dealer.
Dec. 6, 1897,	47	Charles H. Card,	Hoseman,	51	73 Forest st.,	Painter.
Nov. 10, 1879,	53	Benj. F. Hinckley,	"	41	179 Fourth st.,	Printer.
July 26, 1886,	43	Wm. E. Watson, Jr.,	"	35	37 Fifth st.,	Fish dealer.
Jan. 5, 1894,	50	Henry La Rocque,	"	28	86 So. Sixth st.,	Machinist.
July 2, 1894,	48	Harrie B. Jennings,	"	24	683 Kempton st,	Clerk.
	52	Arthur C. Smith,	"	22	78 So. Sixth st.,	Electrician.
Sept. 27, 1897,	42	Edw. L. Macomber,	"	26	106 Page st.,	Blacksmith.
	46	Walter F. Brownell,	"	29	73 Dartm'th st.,	Clerk.
	54	Fred L. Jason,	Substitute,	20	111 So Sev'th st,	Carpenter.
	55	George A. Lowell,	"	26	64 Forest st.,	Carriage trimmer.
Aug. 29, 1878,	56	Alonzo V. Jason,	Engineer,	43	111 So. Sev'h st,	Engineer.
Mar. 25, 1889,	58	Leander Reed,	Stoker, [Driver,	49	3 Bay st ,	Clerk.
Jan. 29, 1867,	57	George H. W. Tripp,	Engine [Driver,	61	57 Bedford st.,	Eng. driver.
April, 1, 1889,	59	William C. Kennedy,	Wagon	33	144 Bedford st.,	Wagon driver

ZACHARIAH HILLMAN STEAM FIRE ENGINE COMPANY No. 5.

House, corner County and Hillman streets. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,300 pounds; put into service March 10, 1894. Company organized December 13, 1873.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 31, 1888.	70	Thomas H. Forbes.	Captain.	37	121 Cedar st.	Perman't.
Dec. 28, 1891.	73	Ernest L. Soule.	1st Lieut.	36	10 Keene st.	Wood wkr
Feb. 9, 1891.	60	George E. Macomber.	2nd Lieut.	46	167 Mill st.	Engineer.
Oct. 1, 1885.	63	Joseph C. Forbes.	Clerk.	32	299 Chancery st.	Shoem'k'r
Dec. 13, 1873.	62	Isaiah H. Wilcox.	Hoseman.	63	506 Acushnet av.	Painter.
May 1, 1876.	64	George H. Chadwick.	"	64	354 Kempton st.	"
Sept. 30, 1890.	68	Thomas N. Meyers.	"	36	205 Summer st.	Frame [maker.
June 26, 1893.	69	John F. Gifford.	"	43	Mill n'r Emerson	Foreman [st. dept.
Sept. 30, 1889.	71	Obed S. Cowing.	"	35	178 Mill st.	Carpet up- holsterer.
Oct. 1, 1894.	65	William L. Davis.	"	36	106 Chestnut st.	Painter.
Feb. 1, 1893.	61	Frank B. Chadwick.	"	26	367 Kempton st.	Teamer.
Dec. 31, 1894.	66	Charles H. Bowman.	"	33	5 North st.	"
April 29, 1895.	72	Louis H. Almy.	Substitute.	28	8 Keene st	Printer.
April 27, 1896.	67	Edward N. Bennett.	"	37	130 Summer st.	Clerk.
Jan. 7, 1874.	75	Benjamin F. King, Jr.	Engine [driver.	60	335 Kempton st.	Hostler.
Dec. 13, 1873.	74	Martin Blanchard, Jr.	Engineer. [driver.	54	39 Smith st.	Engineer.
Jan. 28, 1883.	77	Martin S. Nelson.	Wagon	41	299 Purchase st.	Hostler.
May 1, 1882.	76	Charles W. Jones.	Stoker	42	373 Cottage st.	Wood wkr

FREDERICK MACY STEAM FIRE ENGINE COMPANY No. 6.

House on Fourth street, head of Potomska street. Engine built by Manchester Locomotive Works, Manchester, N. H.; capacity, 500 gallons per minute; weight of engine as drawn to fires, 7,100 pounds; put into service November 1, 1882. Company organized Oct. 31, 1882.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Feb. 3, 1890,	131	Charles E. Allen,	Captain,	30	60 Rockland st.	Painter.
Dec. 15, 1892,	121	Charles E. Greene,	1st Lieut.,	24	29 Rockland st.	Metal turner.
June 30, 1891,	123	John F. Rogers,	2nd Lieut.,	31	97 Acush. ave.	Undertaker.
Oct. 31, 1882,	122	Herbert B. Gardner,	Clerk,	51	132 Wash'g'n st	Compositor.
Oct. 31, 1882,	135	Frederick S. Nelson,	Hoseman,	32	15 Bonney st.	Mason.
Oct. 26, 1886,	130	Edward W. O'Neil,	"	38	30 Thoms'n st	Glass cutter.
Oct. 31, 1882,	132	Jason L. Ballou,	"	53	37 Crapo st.	Carpenter
Oct 31, 1882,	125	Marshall S. Greene,	"	44	233 Rivet st.	Mason.
Mar. 27, 1883,	128	Joseph Jackson,	"	43	1 Bedford st.	Barber.
May 31, 1892,	138	Michael Stapleton,	"	39	168 Cove st.	Salesman.
June 26, 1894,	126	James Rock, Jr.,	"	26	743 S. Water st.	Clerk.
Jan. 1, 1895,	124	George H. Whelan,	"	26	9 Warwick st.	Solderer.
Aug. 8, 1898,	133	Fred'k C. Edmonson,	Substitute,	26	32 Winsor st.	Metal worker
Sept. 26, 1898,	127	Robert E. Allen,	"	20	157 Grinnell st.	Machinist.
Oct. 31, 1882,	137	Charles G. Taber,	Engineer,	50	Fair st.	Engineer.
Oct. 31, 1882,	134	Frank A. C. Greene,	Engine [driver.	33	87 Acush. ave.	Engine driv'r
Oct. 31, 1882,	136	N. Herbert Greene,	Hose [driver.	42	207 Rivet st.	Hose driver.

STEAM FIRE ENGINE COMPANY No. 7.

House on Durfee street. Engine built by the Manchester Locomotive Works, Manchester, N. H.; capacity 500 gallons per minute; weight of engine as drawn to fires, 7,000 pounds; put into service September 1, 1890. Company organized September 1, 1890.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Sept. 1, 1890,	205	Maurice C. Dahill,	Captain,	39	28 Richmond,	Permanent.
" "	204	Edward H. Booth,	Lieut.,	48	Durfee & Vine	Machinist.
" "	206	John H. Ryan,	Lieut.,	40	563 Cottage,	Plumber.
" "	195	John N. O'Brien,	Clerk,	36	103 Robeson,	Merchant.
Jan. 3, 1893,	209	Chas. A. Galligan,	Hoseman,	31	780 County,	"
Sept. 1, 1890,	207	John D. Manseau,	"	33	30 Durfee,	Salesman.
" "	203	Geo. A. Bosworth	"	35	20 Richmond,	Contractor.
Nov. 11, 1890,	211	C. L. Dunham,	"	31	131 Merrimac.	Plumber.
Sept. 1, 1890,	197	Stephen C. Lowe,	"	41	Seventh,	Merchant.
" "	198	Thomas Mack,	"	36	So. Emerson,	Clerk.
" "	210	Jas. M. Whittaker,	"	33	340 Cedar,	Driver.
June 11, 1894,	212	Thomas Lowe,	"	52	Shawmut ave,	Plumber.
Dec. 2, 1894,	196	William Simister,	Substitute,	32	54 Durfee,	Grocer.
July 1, 1896,	208	Charles F. Dailey,	"	33	Cedar Grove,	Plumber.
Sept. 1, 1890,	199	James R. Goddard,	Engineer,	40	Cottage,	Engineer.
" "	200	Wm. H. H. S. King,	Driver,	34	567 Cottage,	Hostler.
" "	201	Ed. H. Coggeshall,	"	28	Durfee,	"
" "	202	Andrew Tripp,	Stoker,	46	"	Shoemaker.

STEAM FIRE ENGINE COMPANY No. 8.

House, Acushnet avenue and Davis street. Engine built by La France Steam Fire Engine Co., Elmira, N. Y.; capacity, 500 gallons per minute; put into service December 1, 1894. Company organized December 1, 1894.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Apr. 6, 1897,	238	George H. Cook,	Captain,	37	1072 Acush. av.	Permanent.
Jan. 21, 1896,	252	John Hilton,	1st Lieut.,	44	995 Acush. av.,	Teamer.
Dec. 1, 1894,	246	Rob. C. McWhinnie,	2nd Lieut.,	40	48 Church st.,	Mill operative
Dec. 1, 1894,	244	Michael McDonnell,	Clerk,	31	391 Cedar st.,	Merchant.
Dec. 1, 1894,	245	Thomas S. Riley,	Hoseman,	30	527 Cottage st.,	"
Dec. 1, 1894,	242	David C. McWhinnie	"	34	88 Ashland st.,	Decorator.
Dec. 1, 1894,	241	James Slater,	"	47	678 Purchase st	Merchant.
Dec. 1, 1894,	247	Edward L. Hughes,	"	31	269 Coffin av.,	Mechanic.
Dec. 1, 1894,	248	Nicholas Whalen,	"	32	332 Cedar st.,	Merchant.
Dec. 1, 1894,	251	Dan S. Considine,	"	34	Park Hotel,	"
May 28, 1897,	253	Wm. McCann,	"	37	200 N. Front st.	"
May 1, 1896,	243	John H. Finnell,	"	32	1088 Acush. av.	"
May 1, 1896,	254	John S. Francis,	Substitute,	31	190 Coffin av.,	Mechanic.
Sep. 22, 1897,	249	Wm. Ardrey,	"	27	252 Coffin av.,	Plumber.
Dec. 1, 1894,	240	John Watkinson,	Stoker,	33	rear 441 Pleasant st.,	Laborer.
Dec. 1, 1894,	237	Wm. R. Moore,	Engineer,	35	280 Sawyer st.,	Fireman.
Dec. 1, 1894,	239	Squire A. Gifford,	Driver,	41	1072 Acush av.,	"
Dec. 1, 1894,	250	Antone Lemos,	"	34	176 Davis st.,	"

HANCOCK ENGINE COMPANY No. 9.

House located at Acushnet. Engine built by John Agnew of Philadelphia, in 1843. Engine removed to Acushnet, January 18, 1861, and a company was organized to man her at that time. Company reorganized December 14, 1878.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Nov. 28, 1865,	147	Francis P. Washburn	Captain,	55	Acushnet ave.,	Carpenter.
Dec. 14, 1878,	160	Herbert M. Spooner,	1st Lieut.,	39	River st.,	Boxmaker.
Sept. 3, 1883,	151	John G. Whalon,	2d Lieut.,	37	Acushnet ave.,	"
Feb. 28, 1870,	146	John A. Russell,	Clerk,	48	" "	Farmer.
May 1, 1882,	159	Israel H. Peckham,	Suction	56	" "	Blacksmith.
Nov. 20, 1874,	158	Lemuel A. Washburn	[hoseman,	60	" "	Teamer.
Dec. 4, 1882,	164	George W. Hawes,	" "	44	" "	"
Dec. 14, 1878,	153	William T. Gifford,	Leading	52	Mill road,	Farmer.
May 3, 1886,	155	George H. Gifford,	[hoseman,	27	Acushnet ave,	Carpenter.
Apr. 30, 1877,	154	Joseph W. Spooner,	" "	46	" "	Teamer.
Dec. 14, 1878,	152	James A. Wilber,	" "	53	Mill road,	Ropemaker.
Dec. 27, 1898,	166	Frank L. Reed,	Brakeman,	23	Tarkiln Hill rd	Carpenter.
Feb. 4, 1889,	161	William P. Reed,	"	46	" "	Teamer.
May 31, 1892,	157	Walter H. Darling,	Steward,	33	Main st ,	Boxmaker.
Dec. 6, 1886,	145	John F. Parker,	Brakeman,	29	"	Painter.
Aug. 26, 1895,	150	Allen G. Briggs,	"	33	Acushnet ave.,	Blacksmith.
Dec. 14, 1878,	149	John Sylvia,	"	59	River st.,	Janitor.
May 30, 1870,	148	And. B. Grinnell, Jr	"	59	Acushnet ave.,	Clerk.
Dec. 14, 1878,	165	Allen Russell, Jr.,	"	41	" "	Farmer.
Jan. 7, 1889,	163	Nathan C. Briggs,	"	64	" "	Carpenter.
Sept. 25, 1893,	162	Fred'k W. Bowles,	"	33	" "	Sawyer.
May 4, 1885,	156	Henry E. Reed,	"	31	Mill road,	Mason.
Sept. 16, 1885,		Edward F. Davis,	Substitute,	32	Tarkiln Hill rd	Clerk.
May 4, 1896,		Edgar W. Darling,	"	23	Acushnet ave.,	Boxmaker.

HOOK AND LADDER COMPANY No. 1.

House, corner Purchase street and Mechanics lane. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission April 29, 1895.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Jan. 5, 1884,	101	Frank Spooner,	Captain,	43	W. North st.,	Painter.
Nov. 30, 1896,	100	Charles W. Vining,	1st Lieut.,	38	57 N. Sixth st,	
July 25, 1890,	107	George A. Caswell,	2d Lieut.,	27	122 Middle st,	Blacksmith.
June 24, 1889,	104	William L. Fletcher,	Clerk,	33	38 Cedar st.,	Grinder.
April 27, 1896,	88	Harry F. Chase,	Ladderm'n	26	11 Emerson st	Teamster.
Feb. 1, 1897,	89	David A. Cobb,	"	30	514 Kemp. st,	Painter.
Jan. 31, 1870,	87	Lysander W. Davis,	"	62	106 Chestnut,	Carpenter.
Jan. 24, 1883,	105	Edward D. Francis,	"	43	86 Kemp. st.,	Shoemaker.
Nov. 29, 1886,	103	Alfred M. Gifford,	"	35	148 Maxfield,	Teamster.
Aug. 25, 1865,	102	Charles J. Johnson,	"	66	544 Cottage,	Sparmaker.
Jan. 1, 1895,	98	Edw. C. Neagus, Jr.,	"	26	72 Walden st,	Clerk.
Aug. 7, 1863,	86	Philip M. Tripp,	"	59	173 Arnold st	Teamster.
Feb. 1, 1897,	91	James Manchester,	Substitute,	36	229 Cedar st.,	Painter.
April 26, 1897,	106	William F. Wilcox,	"	45	Bancr'ft h'se [room 9,	Hostler.
Sept. 1, 1888,	93	George S. Allen,	Driver,	36	303 Acush. av	"
	97	Isaac R. Allen,	Tillerman,	41	120 High st.,	Tillerman.

HOOK AND LADDER COMPANY No. 2.

House on Weld street. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission August 30, 1888. Present company organized September, 1888.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Sept. 1, 1888.	175	Mart'n H. Sullivan.	Captain.	40	78 North st.	Contractor
Sept. 8, 1893.	176	Ed. M. Murphy.	1st. Lieut.	33	Richmond st.	Clerk.
Sept. 1, 1892.	174	Chas. H. McCarty.	2d. Lieut.	27	State and Clark.	Driver.
Sept. 1, 1888.	180	Peter F. Sullivan.	Clerk.	38	869 County st.	Grocer.
Sept. 1, 1888.	177	John S. Harrington	Ladderm'n	39	Weld & Pleasant.	Driver.
Sept. 1, 1888.	178	David Warren.	"	41	257 State.	Stableman.
May 1, 1890.	184	Frank R. Pease.	"	40	923 Acushnet ave.	Druggist.
Mar. 1, 1892.	173	William Sellecks.	"	29	136 No. Front.	Driver.
Dec. 18, 1894.	181	John Conway.	"	23	136 No. Front.	Plumber.
June 1, 1897.	179	Mich'l J. Sullivan.	"	39	837 Purchase.	Carpenter.
Oct. 1, 1895.	183	John E. Murphy.	"	27	209 Cedar Grove.	Clerk.
May 1, 1896.	172	Jas. H. Mahoney.	"	22	County & Pen'm'n	Plumber.
Sept. 1, 1898.	182	Mark E. Sullivan.	Substitute.	24	Homer & Locust.	Foreman.
Dec. 13, 1898.	171	John H. Galligan.	"	29	62 Durfee.	Clerk.
Oct. 9, 1894.	108	Geo. H. Nickerson.	Driver.	30	910 Acushnet ave.	Driver.
Sept. 17, 1895.	215	Jere. T. Haggerty.	Tillerman.	29	936 Acushnet ave.	Tillerman.

HOOK AND LADDER COMPANY No. 3.

House on Fourth street, head of Potomska. Carriage built by La France Steam Fire Engine Co., Elmira, N. Y.; put into commission Nov. 1, 1891. Company organized Nov. 1, 1891.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Nov. 1, 1891.	219	Daniel E. Nelson.	Captain.	34	314 Second st	Mason.
Nov. 1, 1891.	218	John O'Neil.	1st. Lieut.	35	30 Thompson st.	Glass cutter
Nov. 1, 1891.	222	Henry R. Lindsey.	2d. Lieut.	36	211 County st.	Carpent'r
Aug. 2, 1897.	226	Edward M. Slocum.	Clerk.	28	18 Sherman st.	Civil eng.
Nov. 1, 1891.	220	John J. Meaney.	Ladderm'n	30	25 Crapo st.	Carpent'r
Nov. 1, 1891.	221	Henry E. Chase.	"	34	167 Grinnell st.	Painter.
Feb. 1, 1892.	225	Steph. J. Cassidy, Jr.	"	32	273 Fourth st.	"
Dec. 5, 1892.	223	Ernest F. McCarty.	"	30	80 Thompson st.	Black-smith.
July 8, 1897.	228	Frank X. Lavoie.	"	38	80 Thompson st.	Painter.
Jan. 7, 1895.	217	Nelson L. Pike.	"	35	Rural Cemetery.	Sexton.
April 5, 1897.	227	Wm. H. Greene.	"	22	233 Rivet st.	Clerk.
Oct. 9, 1897.	224	Fred Ricketson.	"	25	9 Morton court.	Painter.
Feb. 7, 1898.	229	Henry Whelan.	Substitute.	21	216 County st.	Mason.
Nov. 7, 1898.	230	Wm. N. Nelson.	"	37	46 Oak st.	"
April 1, 1897.	232	Martin J. Galvin.	Driver.	38	Engine House.	Hostler.
April 1, 1897.	231	George H. Baylies.	Tillerman.	27	" "	Tillerm'n

CHEMICAL ENGINE COMPANY No. 1.

House, corner Purchase street and Mechanics lane. Wagon built by Charles F. Halloway, Baltimore, Md.; put into commission July 1, 1895. Company organized December 31, 1871.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE	OCCUPATION.
May 19, 1896.	80	David W. Howland.	Captain.	61	219 Kempton st.	Blacksmith
May 19, 1896.	81	John B. Oliver.	Clerk.	33	297 Cottage st.	"
May 19, 1896.	83	John P. Thompson.	Hoseman.	38	43 No. Sixth st.	Painter.
May 19, 1896.	82	Charles E. Thomas.	"	43	35 Newton st.	Carpenter.
May 19, 1896.	84	Fred E. Mosher.	Driver.	38	194 High st.	Driver.

HOSE COMPANY No. 2.

House, corner of Weld and Bowditch streets. Wagon built by Brownell, Ashley & Co., New Bedford; put into commission December 1, 1888. Company organized December 3, 1888.

DATE OF JOINING.	NO. OF BADGE.	NAME.	RANK.	AGE.	RESIDENCE.	OCCUPATION.
Dec. 3, 1888.	17	Reuben Taber.	Captain.	42	Acushnet ave and Cedar Grove.	Per. man.
Dec. 3, 1888.	186	Stephen S. Finnell.	1st. Lieut.	39	17 Reynolds st.	Salesman
Dec. 3, 1888.	187	Bart. P. Fury.	2d. Lieut.	36	501 Purchase st.	"
Dec. 3, 1888.	192	George C. Hewins.	Clerk.	26	762 County st.	Engineer
Aug. 16, 1889.	188	Wm. Woolfenden.	Hoseman.	29	465 Pleasant st.	Barber
Aug. 1, 1893.	189	John Watson.	"	41	8 Ashland st.	Salesman
Apr. 28, 1895.	190	William Moore.	"	23	52 Weld st.	Clerk.
Nov. 1897.	191	Michael Daley.	Substitute.	30	41 Davis st.	Carpent'r
Dec. 12, 1893.	194	Arthur McDonald.	Driver.	27	Acushnet ave and Cedar Grove.	Per. drivr

NEW BEDFORD PROTECTING SOCIETY.

President, Charles S. Kelley; 1st Director, William A. Robinson; 2d Director, Charles H. Lawton; 3d Director, Edward T. Pierce; 4th Director, Charles M. Haskell; 5th Director, Edmund F. Maxfield; 6th Director, Edmund Wood; 7th Director, John H. Lowe; 8th Director, John E. Gibbs; Secretary and Treasurer, Edmond L. Wilde.

Francis T. Akin,
Gideon Allen, Jr.,
George H. H. Allen,
James H. Bamford,
William Bamford,
Lewis E. Bentley,
George W. Bennett,
O. Frank Bly,
Standish Bourne,
Byron F. Card,
Charles A. Case,
R. C. P. Coggeshall,
Clifton H. Cornish,
Henry C. Denison,
Ernest A. Dunham,
Fred C. Dunham,
Joseph Dias,
John Eldridge, Jr.,
James P. Francis,
Edward R. Gardner,
John E. Gibbs,
Frank H. Gifford,
Charles H. Gifford,
Thomas J. Gifford,
A. W. Hadley,
George W. Hillman,
Charles H. Holden,
John J. Howland,
Edgar B. Hammond,
Henry F. Hammond,
H. S. Hutchinson,
Thomas H. Knowles,

G. D. Kingman,
Edgar R. Lewis,
William J. Lewis,
Philander F. Manchester,
Frederick B. Macy,
J. Roland Macy,
Willard Nye, Jr.,
Otis N. Pierce,
William F. Potter,
Edward F. Penney,
William H. Pitman,
Charles L. Paine,
David L. Parker,
Stephen D. Peirce,
George A. Phillips,
William F. Read,
Morgan Rotch,
Arthur E. Robbins,
Louis H. Richardson,
Gardner T. Sanford,
Leander H. Swift,
Robert Snow,
Frederic Taber,
William T. Taylor,
Alfred Thornton,
Alfred G. Wilbor,
William Whitehead,
Horace Wood,
Frederic A. Washburn,
Thomas F. Wood,
William R. West,
Mark T. Vincent.

Fire Alarms, Losses and Insurance for 1898.

The loss by fire for the year ending Dec. 31, 1898, was \$47,419.29. Amount of insurance, \$177,367.46. Number of bell alarms, 63. Number of still and telephone alarms, 87. Total alarms, 150.

Jan. 1, 10.20 A. M. (Still.) Fire in dwelling house 42 Davis street, owned and occupied by Elizabeth Nelson. Caused by rags under sink. Responded to by men from Station No. 8. No loss.

Jan. 10, 6.15 P. M. (Still.) Fire in store No. 4 Sixth street, owned by D. P. Ward estate and occupied by Childs & Peckham. Cause, falling lamp. Responded to by Chemical 1. Loss on contents, \$50. Insurance, \$300.

Jan. 11, 7 P. M. Box 127. Fire in store 813 Purchase street, owned by Agnes and Lizzie Lee and occupied by Ernest O. Findeison. Cause, falling lamp. Responded to by Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. Loss on building, \$117.50. Insurance, \$2,000. Loss on contents, \$1,061.89. Insurance, \$1,455.

Jan. 24, 9.35 A. M. (Still.) Chimney fire, house No. 419 South Second street, owned by Mrs. Enos and occupied by John McHugh. Responded to by men from Station No. 6. No loss.

Jan. 25, 10.30 A. M. (Still.) Chimney fire in building 17 Pleasant street, owned by F. B. Greene and others and occupied by H. P. Willis and others. Responded to by Chemical 1. No loss.

Jan. 25, 5.40 P. M. Box 53. Chimney fire in dwelling house No. 80 Katherine street, owned and occupied by William Wilde. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$94.75. Insurance, \$2,000. Loss on contents, \$20. No insurance.

Jan. 29, 12.45 P. M. (Still.) Fire in club room, rear 1090 Acushnet avenue, owned by Jos. Mullen and occupied by a Boys' Club. Caused by overheated stove. Responded to by men from Station No. 8.

Jan. 30, 3.30 P. M. Box 46. Chimney fire at Laundry 466 South Water street, owned by Lizzie A. Souza and occupied by Wing Lee. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Jan. 30, 7.36 P. M. Fire in dwelling house 104 Mosher street, owned and occupied by George Bond. Cause, thawing out water pipes. Companies responding, Engines 4 and 6, Ladder 3 and Chemical 1. Loss on building \$10. Insurance, \$2,500.

Jan. 30, 8 P. M. (Still.) Fire in dwelling house 111 Page street, owned by Eugene F. Braley. Caused by match dropped in clothing. Loss on contents, \$12. Insurance, \$500.

Feb. 2, 9.54 A. M. (Still.) Chimney fire in dwelling house 550 County street, owned and occupied by Thomas Luce. Responded to by men from Station No. 5. No loss.

Feb. 2, 11.30 A. M. (Still.) Chimney fire in dwelling house corner of Page and Hawthorn streets, owned and occupied by Loum Snow. Responded to by Chemical 1. No loss.

Feb. 3, 11.55 A. M. (Still.) Fire in New York Market, Purchase street, owned and occupied by E. C. Brownell. Caused by falling lamp. Responded to by Chemical 1. No loss.

Feb. 4, 9.40 A. M. (Still.) Fire in house No. 11 Reynolds street, owned and occupied by Timothy Sullivan. Caused by thawing out water pipes. Responded to by men from Station 7. No loss.

Feb. 4, 12.10 P. M. Box 127. Fire in store and dwelling on Purchase street, owned by S. M. Hathaway and occupied by Mr. Prue. Cause, defective chimney. Companies responding, Engines 1 and 7, Hose 2, Ladder 2, Chemical 1. Loss on building, \$38.63. Insurance, \$2,100.

Feb. 5, 11.10 A. M. Box 51. Fire in house on Bourne street, owned by James Talbot and unoccupied. Cause, overturned lamp. Loss on building, \$12. Insurance, \$1,800.

Feb. 8, 2.30 P. M. (Still.) Fire in shop corner Cottage and Robeson streets, owned and occupied by Thomas J. Gifford & Co. Cause, plumber's furnace exploded. Responded to by men from Station No. 7. Loss on contents, \$63.40. Insurance, \$2,000.

Feb. 8, 10.05 P. M. Box 123. Fire in barn corner Coffin avenue and Acushnet avenue, owned and occupied by Charles E. Cook. Caused by candle tipping over. Responded to by Engines 1 and 8, Ladder 2, Hose 2, Chemical 1.

Feb. 9, 5.30 P. M. (Still.) Chimney fire in house corner of Morgan and Cottage streets, owned and occupied by Mr. Davis. Responded to by Chemical 1.

Feb. 12, 4.55 P. M. Box 26. Fire in dwelling house corner Middle and Second streets, owned by J. Murphy and occupied by Mrs. Sullivan and others. Caused by falling lamp. Companies responding, Engines 1, 2 and 5, Ladder 1, Chemical 1. No loss.

Feb. 13, 6.03 A. M. Box 127. Fire in Dawson building, Purchase and Linden streets, owned by Benjamin Dawson. Caused by cigar stub in sawdust. Companies responding, Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. Loss on building, \$100. Insurance \$20,000.

Feb. 16, 11.27 A. M. (Still.) Smoke in dwelling 418 South Second street, owned by G. A. Collins and occupied by Mrs. Arlington.

Caused from drying mats in oven. Responded to by men from Station No. 6. No loss.

Feb. 16, 6.10 P. M. (Still.) Chimney fire in dwelling house north-east corner Washington and Bonney streets, owned by T. J. Cobb and occupied by E. H. Fisher. Responded to by men from Station No. 6. No loss.

Feb. 18, 4.53 P. M. Chimney fire in dwelling house 342 County street, owned by Horatio Hathaway and occupied by Rev. E. S. Rousmaniere. Responded to by men from Station No. 4. No loss.

Feb. 19, 6 P. M. Box 34. Fire in store and dwelling 67 Union street, owned by A. C. Snow and occupied by A. C. Snow and others. Caused by match in rubbish. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1. Loss on building \$16. Insurance \$1,600.

Feb. 22, 11.35 A. M. (Still.) Chimney fire, Grace church, on County street. Responded to by Chemical 1. No loss.

Feb. 22, 11.48 P. M. (Still.) Fire in dwelling house Bedford and Sixth streets, owned by R. H. Piper estate and occupied by George S. Perry. Caused by spontaneous combustion. Responded to by men from Station No. 4. Loss on building, \$36.25. Insurance, \$1,000.

Feb. 23, 9.45 A. M. (Still.) Fire in dwelling house 124 Union street, owned by J. McIvor estate and occupied by P. J. Barrett. Cause, overheated furnace pipe. Responded to by Chemical 1. No loss.

Feb. 28, 6.41 A. M. Box 46. Fire in house 371 South Water street, owned by Abraham Cohen and occupied by Mr. Roscovitz. Cause, burning rag in wood box. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. No loss.

March 2, 6 P. M. (Still.) Fire in building on William street, owned by Ashley & Pierce and occupied by J. M. Durfee and others. Caused from hanging lamp. Responded to by Chemical 1. Loss on building, \$15. Insurance, \$5,000.

March 3, 1.15 A. M. Box 18. Fire in building on North Second street, owned by Hathaway, Soule & Harrington and occupied by H. L. Blackmer and others. Cause unknown. Companies responding, Engines 1 and 2, Ladder 1, Chemical 1. Loss on building, \$1,543.50. Insurance, \$2,000. Loss on contents, \$6,544.91. Insurance, \$11,700.

March 3, 1.25 A. M. Box 18. Same fire, companies responding, Engines 4 and 5, Ladder 2, Hose 2.

March 3, 11.15 A. M. (Still.) Fire in building corner Purchase and Maxfield streets, owned by F. Andrews and occupied by W. D. Nye. Cause, overheated furnace. Responded to by Chemical 1. No loss.

March 9, 5.30 P. M. (Still.) Fire in block on Belleville road, owned by Wilfred D. Burns and others and occupied by Alfred Burns and others. Cause, hot ashes. Responded to by men from Station No. 8. Loss on building, \$19. Insurance, \$3,000.

March 12, 10.26 P. M. Box 116. False alarm. Companies responding, Engines 5 and 7, Ladder 1, Chemical 1.

March 13, 9.25 P. M. Box 17. Fire in stable and dwelling 270 Purchase street, owned by E. G. Reynolds and occupied by W. B. Spooner. Caused by falling lamp. Companies responding, Engines 1 and 5, Ladder 1, Chemical 1. No loss.

March 14, 6.30 P. M. (Still.) Fire in lunch wagon, Union street, owned and occupied by J. Ripley. Caused by oil stove exploding. Responded to by Chemical 1. No loss.

March 15, 7 P. M. (Still.) Fire in dwelling house 474 Union street, owned by H. C. Dean and occupied by Mrs. Pierce. Cause, chimney. Responded to by Chemical 1. No loss.

March 17, 7.30 P. M. (Still.) Fire in dwelling house corner of Union and Cottage streets, owned and occupied by John Hastings. Caused by lamp. Responded to by Chemical 1. No loss.

March 17, 4.30 P. M. (Still.) Alarm from Standard office, corner Pleasant and Market streets. Caused by thumb start out of order. Responded to by Chemical 1.

March 18, 4 P. M. (Still.) Fire in stable corner of Summer and Sycamore streets, owned and occupied by E. M. Pierce. Caused by sparks on roof. Loss on building, \$12. Insurance, \$2,500.

March 23, 6.15 P. M. (Still.) Fire in house on Hathaway avenue, near Church street, owned by J. A. Santons and occupied by William Williams. Cause, overheated stove pipe. Responded to by men from Station No. 8. No loss.

March 26, 11.30 P. M. (Still.) Fire at house Arnold and Ash streets, owned and occupied by George Kingman. Cause, fire in rubbish. Responded to by Chemical 1. No loss.

March 28, 1.40 P. M. Fire in bushes on Shawmut avenue. Set by boys. Responded to by men from No. 7. No loss.

March 28, 2.10 P. M. (Still.) Fire in carriage factory corner Fourth and Spring streets, owned by Jos. Brownell estate and occupied by Brownell & Ashley. Caused by sparks from chimney. Responded to by Chemical 1. Loss on building, \$104.60. Insurance, \$1,000.

March 28, 12.18 P. M. Box 135. Fire in store 221 Coggeshall street, owned by Mary A. and Jas. F. Smith and occupied by Barnett Golman. Caused by overheated stove pipe. Companies responding, Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building, \$77.50. Insurance, \$4,800. Loss on contents, \$425. Insurance, \$837.50.

March 29, 6.9 P. M. Box 21. False alarm. Companies responding, Engines 1, 2 and 5, Ladder 1, Chemical 1.

March 31, 11 A. M. (Still.) Chimney fire in house 320 Pleasant street, owned by C. H. Hall and occupied by Mr. Randall. Responded to by men from Station 1. No loss.

April 4, 11.45 A. M. (Still.) Chimney fire in dwelling house on Hawthorn street, owned and occupied by Robert Snow. Responded to by men from Station 4. No loss.

April 4, 2.30 P. M. (Still.) Fire in wood lot, Mt. Pleasant. Responded to by D. D. Briggs and others. No loss.

April 4, 3.15 P. M. (Still.) Fire in building on Fish Island, owned and occupied by J. Duff & Son. Caused by overheated brickwork. Responded to by Chemical 1. No loss.

April 5, 7.50 A. M. (Still.) Chimney fire in Acushnet mill block. Responded to by men from Station 6.

April 7, 7.45 P. M. Box 24. Fire in barn on Kempton street, owned by St. Mary's Home. Caused by match in rubbish. Responded to by Engines 4 and 7, Ladder 1, Chemical 1. Loss on building, \$800. Insurance, \$800. Loss on contents, \$325. Insurance, \$700.

April 7, 8.07 P. M. Box 46. Fire in office on Cross street, foot of Pine street, owned and occupied by Albert W. Holmes. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on contents, \$25. No insurance.

April 8, 2.30 P. M. (Still.) Fire in bushes Nash road. Responded to by men from Station 8 and Hose 2. No loss.

April 8, 4 P. M. (Still.) Fire at Fairhaven. Responded to by Hose 2.

April 13, 4.05 P. M. (Still.) Chimney fire in dwelling house 257 Middle street, owned by estate Bradford Gifford and occupied by Mrs. Martha Lowe. Responded to by men from Station 5.

April 9, 9.23 P. M. Box 53. False alarm.

April 14, 11.32 A. M. Box 48. Fire in dwelling house on South Front street, owned by Jos. F. Lials and occupied by J. O. Correiro. Cause, children and matches. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$50. Insurance, \$1,500. Loss on contents, \$20. No insurance.

April 14, 4.10 P. M. (Still.) Fire in dwelling 5 Maple street, owned by A. T. Eddy and occupied by F. R. Slocum. Caused by alcohol lamp setting fire to bed. Responded to by Chemical 1. Loss on contents, \$64.64. Insurance, \$1,600.

April 17, 5.09 A. M. Box 45. Fire in barn rear Allen street, west of Borden, owned by Amos R. Caswell and occupied by Elper & Altman and others. Cause, incendiary. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building, \$50. Insurance, \$1,500. Loss on contents, \$20. No insurance.

April 18, 9.35 A. M. Box 23. Fire in hen house on Reed street, owned by John Norcross. Caused by lamp in incubator. Companies responding, Engines 5 and 7, Ladder 1, Chemical 1.

April 18, 10 A. M. Box 18. Chimney fire in dwelling house corner North and Hill streets, owned and occupied by Mrs. Lucy E. Cun-

ningham. Companies responding, Engines 1 and 2, Ladders 1 and 2, Hose 2, Chemical 1. Loss on building, \$3. Insurance, \$5,000.

April 22, 7.22 A. M. Box 5. Fire in garbage plant on Shawmut avenue, owned by Edgar H. Gammons. Companies responding, Engine 7, Hose 2, Chemical 1. Loss on building \$2,000. Loss on contents, \$8,000. No insurance.

April 28, 12.50 P. M. (Still.) Chimney fire in house 207 Kempton street, owned by W. E. Labaron and occupied by Mrs. Smith. Responded to by Chemical 1. No loss.

April 30, 11.20 P. M. Box 34. Fire in dwelling house 5 First street, owned by estate John Green and occupied by Mary Ross. Caused by lamp upsetting. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1. No loss.

May 8, 8.20 A. M. Box 134. Fire in house 27 Bullard street, owned by Samuel Carter and occupied by Samuel Carter and others. Companies responding, Engines 1 and 8, Hose 2, Ladder 2, Chemical 1. Loss on building, \$427.50. Insurance, \$2,700.

May 16, 6.45 P. M. (Still.) Fire in dwelling house northeast corner of Fourth and Rivet streets, owned and occupied by Oliver Brownell. Cause, children and matches. Responded to by men from Station 6. Loss on building, \$5. Insurance, \$4,000.

May 23, 4.45 P. M. (Still.) Chimney fire in house 564 Purchase street, owned by Thomas Clynes and occupied by D. Goslin. Responded to by men from Station 1.

June 4, 8.15 A. M. (Still.) Chimney fire in house 257 Coffin avenue, owned and occupied by William M. Maxfield. Responded to by men from Station 8.

June 4, 10.35 P. M. Box 16. Fire in house and barn, Smiths Mills, owned by Mrs. Clarissa Ayer and occupied by Lyman White. Cause unknown. Responded to by Engine 5.

June 8, 6 P. M. Box 13. Fire in barn 62 Robeson street, owned by Father Payan and occupied by Telepore Ayotte. Cause unknown. Companies responding, Engines 5 and 7, Ladder 2, Hose 2, Chemical 1. Loss on barn, \$300. No insurance. Loss on house, \$113. Insurance, \$1,000.

June 10, 7.25 A. M. (Still.) Fire in shed 168 Middle street, owned by West estate. Caused by ash barrel. Responded to by Chemical 1. No loss.

June 13, 6.30 P. M. Box 26. Fire in building corner of Eln and Bethel streets, owned and occupied by Hill Electric Co. Caused by spark in waste on roof. Companies responding, Engines 1, 2 and 5, Ladder 1, Chemical 1. No loss.

June 15, 7.15 P. M. Box 116. Fire in house on Hillman street, owned and occupied by John K. Otley. Cause, burning rubbish. Companies responding, Engines 5 and 7, Ladder 1, Chemical 1. No loss.

June 15, 10.21 A. M. Box 29. Fire in house 25 Arch street, owned by estate John Gibson and occupied by Gibson & Spear. Caused by match dropped in closet. Companies responding, Engines 4 and 5, Ladder 1, Chemical 1. Loss on building, \$335. Insurance, \$2,000. Loss on contents, \$92.05. Insurance, \$500.

June 17, 7.58 A. M. (Still.) Chimney fire in house 19 Spruce street, owned by Mrs. Edith A. Swan and occupied by Thomas Cummings. Responded to by men from Station 5.

June 23, 10.15 A. M. (Still.) Fire in building 148 High street, owned by Captain Gibbs and occupied by Mrs. Russell. Caused by sparks from pipe. Responded to by Chemical 1.

June 26, 1.30 p. m. Brush fire Nash road. Cause unknown. Responded to by Chemical 1.

June 26, 10 P. M. Fire in house corner Acushnet avenue and Potomska street, owned by Geo. A. Collins and occupied by David Tomlinson. Responded to by men from Station 6. No loss.

July 1, 3.30 P. M. (Still.) Chimney fire in store corner Union and Second streets, owned by Mrs. Thornton and occupied by Lawton Bros. Responded to by Chemical 1. No loss.

July 1, 8.30 P. M. (Still.) Fire in rubbish on North street. Responded to by Chemical 1. No loss.

July 2, 8.30 A. M. (Still.) Fire in building 26 Bowditch street, owned by Cook and Smith and occupied by Guards of Honor. Caused by cigar stub in saw dust. Responded to by Hose 2. Loss on building \$35. Insurance \$4,000.

July 2, 11 A. M. (Still.) Fire in house on Shawmut avenue, owned and occupied by Mrs. Hines. Caused by petroleum oil stove igniting. Loss on building \$44. Insurance \$1,000.

July 4, 4.30 P. M. (Still.) Fire in house on Washburn street, owned and occupied by Mary Brown. Caused by fireworks. Responded to by Hose 2. No loss.

July 4, 5.22 P. M. Box 58. Fire in house 12 Viall street, owned by Jos. Parkinson and occupied by W. Bowman. Caused by oil stove. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. No loss.

July 4, 7 15 P. M. (Still.) Fire in building corner of Foster and North streets, owned and occupied by L. P. Nichols. Cause, fireworks. Responded to by Chemical 1. No loss.

July 4, 11.10 P. M. (Still.) Fire in house 84 Spring street, owned by A. E. Robbins and occupied by Mrs. Guthers. Cause, fireworks. Responded to by Chemical 1. Loss on building \$84. Insurance \$4,000. Loss on contents \$17.50. Insurance \$1,000.

July 6, 4.40 A. M. Box 135. Fire in store 228 Coggeshall street, owned by S. Desautels and occupied by J. Ulderic Roberts. Cause,

incendiary. Companies responding, Engine 1 and Ladder 2, Hose 2, Chemical 1. Loss on building \$120. Insurance \$500.

July 11, 10.20 A. M. (Still.) Fire in house 32 Sixth street, owned by Holmes estate and occupied by Mrs. Wilbur. Caused by soldering pot. Responded to by Chemical 1. No loss.

July 12, 10.30 A. M. Box 3. Fire in barn in town of Acushnet, owned by Joseph Greenwood and occupied by Walter Spooner. Cause, boys and matches. Responded to by Engine No. 9.

July 18, 10.10 P. M. Box 35. Fire in bicycle store corner Fifth and School streets, owned by Mrs. Francis and occupied by E. H. Jennings. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1. Loss on building \$235. Insurance \$1,500. Loss on contents \$354. Insurance \$2,400.

July 26, 8.12 A. M. (Still.) Fire in yard southwest corner Water and Howland streets, owned by Mr. Frazier. Children set fire to lounge. Responded to by men from Station 4. No loss.

Aug. 4, 3 P. M. (Still.) Fire in dwelling house southwest corner Rivet and Second streets, owned by Potomska Mills Corporation and occupied by L. Cocking. Cause, gasoline stove. Responded to by men from Station 6. No loss.

Aug. 6, 7.30 P. M. (Still.) Chimney fire 417 Purchase street, owned by Mrs. Oliver and occupied by Mrs. M. B. Parker. Responded to by men from Station 1. No loss.

Aug. 7, 10.15 P. M. (Still.) Fire in Merchants Bank. Caused by candle setting fire to paper. Responded to by men from Central Station. No loss.

Aug. 15, 7.30 A. M. (Still.) Chimney fire in house 95 High street, owned by Oliver B. Davis and occupied by Mrs. Waterman. Responded to by Chemical 1. No loss.

Aug. 16, 11 A. M. Box 135. Fire in house No. 9 Granfield street, owned by Lambert Adams and occupied by Jacob Kenyon. Cause, gasoline stove. Companies responding, Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building \$350.50. Insurance \$750. Loss on contents \$100. No insurance.

Aug. 19, 4.30 P. M. Fire in New Bedford Spinning Co. Responded to by Chemical 1. No loss.

Aug. 24, 1.5 A. M. Box 16. Fire in house on Chestnut street, owned by John M. Foster and occupied by Frank C. Barrows. Cause, unknown. Responded to by Engines 5 and 7, Ladder 1, Chemical 1. Loss on building \$635. Insurance \$2,500. Loss on contents \$231.85. Insurance \$1,000.

Aug. 28, 9.6 A. M. Box 51. Fire in house 22 Bourne street, owned by C. A. W. Peterson. Clothes caught from stove. Companies responding, Engines 4 and 6, Ladder 1, Chemical 1. No loss.

Sept. 5, 11.42 A. M. Box 31. Fire in store 357 Acushnet avenue,

owned by Thos. B. Wilcox and occupied by Isaac C. Caswell. Cause, lamp upset by dog. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1. No loss.

Sept. 6, 11.45 A. M. (Still.) Smoke in store 299 Acushnet avenue, owned by Brownell estate and occupied by Robert Gray. Caused by stove. Responded to by men from Central Station. No loss.

Sept. 8, 2.30 P. M. (Still.) Fire in laundry 14 Bedford street, owned by W. G. Hayden and others and occupied by Geo. F. Pinder. Caused by naphtha lamp. Responded to by men from Station 4. No loss.

Sept. 12, 11.15 A. M. Box 128. Fire in bakery No. 2 Clark street, owned and occupied by Edw. Patneau. Caused by brick dropping out of oven. Responded to by Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

Sept. 14, 8.23 P. M. (Still.) Fire in rubbish corner Hillman and Newton streets. Responded to by men from Station No. 5. No loss.

Sept. 16, 9.58 A. M. Box 23. Fire in house in town of Dartmouth, owned and occupied by Chas. E. Waite. Companies responding, Engines 5 and 7, Ladder 1, Chemical 1.

Sept. 16, 5.15 P. M. Box 7. Fire in house foot of Merrimac street, owned by Wamsutta Mills. Cause, children and matches. Companies responding, Engines 1 and 7, Hose 2, Ladder 2, Chemical 1. No loss.

Sept. 21, 5.50 P. M. Box 39. Fire in carriage factory corner Acushnet avenue and Cannon street, owned and occupied by Geo. L. Brownell. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$3,142.95. Insurance \$10,500. Loss on contents \$5,640.87. Insurance \$26,400.

Sept. 21, 5.55 P. M. Box 39. Second alarm. Same fire companies responding, Engines 2 and 5, Ladder 1.

Sept. 29, 1.10 A. M. Box 23. Fire in building on Kempton street, owned and occupied by Pardon Cornell. Cause, incendiary. Loss on building \$2,000. Insurance \$2,000. Loss on contents \$300. No insurance.

Oct. 11, 6.50 A. M. Box 53. Fire in house Howland Village, owned by Howland Mills Corporation and occupied by Martin Keefe. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. No loss.

Oct. 13, 7.15 A. M. Box 124. Smoke in house 301 Coggeshall street, owned by John Coggeshall and occupied by Ruth Marsh and others. Responded to by Chemical 1.

Oct. 13, 9.15 P. M. Box 74. Fire in picker house, Acushnet Mill. Companies responding, Engines 2, 4, 5 and 6. Ladders 1 and 3, Chemical 1. Loss on contents \$1,149.96. Insurance blanket policy.

Oct. 13, 6.30 P. M. (Still.) Fire in store 76 Purchase street, owned

by F. Cook estate and occupied by Schuler Bros. Cause, kerosene lamp exploded. Responded to by men from Central Station. No loss.

Oct. 21, 1.40 P. M. Box 126. Fire in building on Cedar Grove street, owned by Henry Roy and occupied by Louis Cejaka. Cause, naphtha lamp exploded. Companies responding, Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building \$35. No insurance. Loss on contents \$14.50. Insurance \$500.

Oct. 21, 1.55 P. M. Box 27. Fire in store Union and Fifth streets, owned by Parker estate and occupied by F. M. Douglass and Dr. Razzeau. Companies responding, Engines 1 and 4, Ladder 1, Chemical 1. Loss on building \$110.95. Insurance \$2,000. Loss on contents \$107.80. Insurance \$6,600.

Oct. 24, 2.7 A. M. Box 42. Fire in barn No. 6 Rural street, owned by David A. Mosher and occupied by Jos. Phrichado. Cause, incendiary. Companies responding, Engines 4 and 5, Ladder 1, Chemical 1.

Oct. 24, 5.15 P. M. (Still.) Fire in coal on Fish Island, owned by David Duff & Son. Cause, spontaneous combustion.

Oct. 28, 6.55 A. M. (Still.) Fire in South Dartmouth. Responded to by men from Station 6.

Nov. 11, 10.55 P. M. Box 135. Fire in house 9 Beetle street, owned by Adelord Godreau and occupied by Adelard Podreau and Ludger Paquin. Cause, unknown. Companies responding, Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building \$1,267. Insurance \$1,500. Loss on contents \$350. Insurance \$500.

Nov. 12, 2.15 A. M. Box 135. Fire in barn rear 184 Sawyer street, owned and occupied by Benj. Hebert. Caused by sparks from previous fire. Companies responding, Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. Loss on building \$82. Insurance \$150. Loss on contents \$18. Insurance \$75.

Nov. 16, 8.30 P. M. (Still.) Fire in building 62 Pleasant street, owned by C. S. & B. Cummings and occupied by D. W. Cronin. Cause, overturned lamp. Responded to by Chemical 1. No loss.

Nov. 17, 12.5 A. M. (Still.) Fire in hotel corner of Purchase and Maxfield streets, owned by Fred Andrews and occupied by Walter Nye. Cause, overheated furnace. Responded to by Chemical 1. No loss.

Nov. 19, 8.57 P. M. Box 56. Fire in house 68 Blackmer street, owned by Acushnet Mill Corporation and occupied by John La Pierre. Cause, defective chimney. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$456.89. Insurance \$1,400. Loss on contents \$125. Insurance \$600.

Nov. 21, 9 A. M. (Still.) Chimney fire, house corner of Union and Lincoln streets, owned by John A. P. Allen estate and occupied

by Women's Christian Association. Responded to by Chemical 1. No loss.

Nov. 23, 7.30 P. M. (Still.) Fire in house 58 Bedford street, owned by Mrs. Rosher and occupied by Robert H. Lowe. Cause, defective stove pipe. Responded to by men from Station 4.

Nov. 24, 8.4 P. M. Box 39. Fire in barn rear 9 Cannon street, owned by H. O. Firme and occupied by Louis Queen and Morris Gustave. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$40. Insurance \$150.

Nov. 25, 6.50 P. M. (Still.) Chimney fire, house 56 Fifth street, owned by Swift estate and occupied by Reuben E. Swift. Responded to by men from Station 4. No loss.

Nov. 25, 7.05 P. M. Box 135. Chimney fire, 3 Beetle street, owned and occupied by Jas. McDonald. Companies responding, Engines 1 and 8, Ladder 2, Hose 2, Chemical 1. No loss.

Nov. 25, 7.20 P. M. (Still.) Fire in house corner of Madison and Orchard streets, owned and occupied by Andrew H. Potter. Cause, gas fire in fireplace. Responded to by men from Station 4.

Nov. 27, 11.50 A. M. (Still.) Chimney fire in dwelling house northwest corner of Cottage and Grove streets, owned and occupied by Eliot D. Stetson. Responded to by men from Station 4. No loss.

Nov. 27, 5.15 P. M. (Still.) Chimney fire in house corner of Purchase and North streets, owned by Perkins estate and occupied by Chas. P. Johnson. Responded to by Chemical 1. No loss.

Nov. 28, 10.53 A. M. (Still.) Fire in house 202 Cedar street, owned and occupied by Mrs. Mary Hudson. Cause wood in oven caught fire. Responded to by men from Station 5. No loss.

Dec. 3, 7.23 A. M. (Still.) Fire in garbage plant Hathaway road, owned and occupied by Edgar H. Gammons. Cause tank burst. Responded to by men from Station 7. Loss on building \$2,000. Insurance \$2,000. Loss on contents \$4,872.10. Insurance \$8,700.

Dec. 6, 7.15 A. M. (Still.) Chimney fire in dwelling house 372 County street, owned by estate Horatio Hathaway and occupied by Rev. E. S. Rousmaniere. Responded to by men from Station 4.

Dec. 6, 9.45 P. M. Fire in building, corner of Union and Pleasant streets, owned by F. B. Greene and others and occupied by Harry Church and others. Cause fireworks on roof. Responded to by Chemical 1. No loss.

Dec. 7, 3.57 P. M. Box 39. Fire in outbuilding rear 209 South Second street. Owned by Mrs. S. C. Hart and occupied by Asa Bowman. Cause set by children. Companies responding Engines 2, 4 and 6, Ladder 1, Chemical 1.

Dec. 8, 11.30 P. M. Fire in hotel, corner of Purchase and Maxfield streets. Owned by Fred Andrews and occupied by Walter Nye.

Cause overheated furnace. Responded to by Chemical 1. Loss on contents \$40. Insurance \$3,000.

Dec. 10, 10.20 P. M. Box 127. Fire in building corner of Purchase and Linden streets, owned by Smith Bros., and occupied by Dr. Fortin. Cause lamp upset. Companies responding, Engines 1 and 7, Ladder 2, Hose 2, Chemical 1. No loss.

Dec. 12, 12.40 P. M. Box 31. Fire in Mansion House, corner of Union and Second streets, owned by Chas. E. Cook and occupied by S. A. Brownell. Cause overheated pipes. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1. No loss.

Dec. 14, 7.45 A. M. (Still.) Fire in dwelling house, 35 Lincoln street. Owned and occupied by Mrs. S. C. Hart. Responded to by men from Station 4. No loss.

Dec. 14, 1.45 P. M. (Still.) Chimney fire in house 33 Grove street, owned by Mrs. Ruth Murray and occupied by Wm. Thompson. Responded to by men from Station 4. No loss.

Dec. 14, 9.50 A. M. (Still.) Chimney fire in dwelling house 543 County street, owned by estate Wm. G. Taber and occupied by Mrs. Wm. G. Taber. Responded to by men from Station 5. No loss.

Dec. 20, 10.14 P. M. Box 46. Fire in stable rear Leonard street, owned by R. A. Sherman & Son, and occupied by Max Rosenthal. Cause incendiary. Companies responding, Engines 4 and 6, Ladder 3, Chemical 1. Loss on building \$40. Insurance \$50. Loss on contents \$5. Insurance \$50.

Dec. 20, 12.15 P. M. Box 31. Fire in house Second street, owned by S. T. Viall estate and occupied by J. B. Duggan. Cause unknown. Companies responding Engines 2 and 4, Ladder 1, Chemical 1. Loss on building \$12. Insurance \$300.

Dec. 25, 7.09 A. M. (Still.) Fire in house 438 Kempton street, owned and occupied by John O'Niel. Cause, oil stove. Responded to by men from Station 5. Loss on building \$27.30. Insurance \$1,000. Loss on contents \$25. Insurance \$1,000.

Dec. 25, 1.13 P. M. Box 34. Fire in building on Commercial street, owned by Sylvia Ann Howland estate and occupied by J. W. Potter. Cause oil stove. Companies responding, Engines 2 and 4, Ladder 1, Chemical 1.

Dec. 28, 6.25 P. M. (Still.) Chimney fire, house 124 Bedford street, owned and occupied by Mrs. Agnes Wyse. Responded to by men from Station 4.

Dec. 29, 1.55 P. M. (Still.) Fire in house 61 Cedar street, owned by E. Sullavou and occupied by David Kanuck. Cause children and matches. Responded to by Chemical 1, and men from Station 5. Loss on contents \$7. Insurance \$300.

The following is the amount of losses by fire in this city for the past twenty-two years, together with amount of insurance on same:

Years.	Loss.	Insurance.
1877,	\$26,063.66	\$21,528.36
1878,	28,154.46	66,025.00
1879,	9,163.16	54,950.00
1880,	7,609.13	49,450.00
1881,	26,624.96	86,979.00
1882,	23,169.64	692,950.00
1883,	17,398.14	77,450.00
1884,	134,729.82	310,950.00
1885,	6,982.41	148,025.00
1886,	26,786.03	1,108,800.00
1887,	45,141.50	708,150.00
1888,	32,881.87	125,927.00
1889,	42,285.71	182,772.00
1890,	18,145.02	71,300.00
1891,	43,032.65	297,487.13
1892,	73,947.46	271,710.00
1893,	94,516.21	231,375.00
1894,	28,481.98	186,850.00
1895,	55,607.61	209,233.33
1896,	78,909.83	705,800.00
1897,	63,638.76	973,581.34
1898,	47,419.29	177,367.46

Fire Alarm Telegraph, 1898.

SUPERINTENDENT.

FREDERICK MACY, Chief Engineer.

ASSISTANT SUPERINTENDENT.

DANIEL D. BRIGGS,

Residence, 43 Bedford street. Office, City Hall.

LOCATION OF SIGNAL BOXES.

No.

3. Lund's Corner.
4. Acushnet Heights, near reservoir.
116. Hillman and Ash streets.
123. Acushnet avenue and Davis street.
124. Acushnet avenue and Sawyer street.
125. Corner Bowditch and Weld streets.
126. Cedar Grove and North Front streets.
127. Purchase and Linden streets.
128. County and Penniman streets.
129. Purchase street and Coffin avenue.
134. Belleville avenue and Nye street.
135. Belleville avenue and Coggeshall street.
 5. Linden and Ashland streets.
 6. Hazard and State streets.
 7. Purchase and Franklin streets.
 8. County and Pearl streets.
 9. Wamsutta street and Acushnet avenue.
 12. Shawmut avenue and Durfee street.
 13. Cedar and Locust streets.
 14. Purchase and Willis streets.

15. Smith and Cedar streets.
16. County and Hillman streets.
17. Maxfield street and Acushnet avenue.
18. Purchase and North streets.
19. State and Sycamore streets.
21. North and Water streets.
23. Kempton, west of Florence street.
24. Kempton and Cedar streets.
25. County and Kempton streets.
26. Water and Middle streets.
27. Purchase street and Mechanics lane.
28. Court and Cedar streets.
29. Arnold and Ash streets.
31. Acushnet avenue and Union street.
32. Union and Eighth streets.
34. Union and Water streets.
35. Fourth and School streets.
36. Walnut and Water streets.
37. Madison and Orchard streets.
38. Bedford and Sixth streets.
39. Acushnet avenue and Cannon street.
41. Hawthorn and Page streets.
42. Allen and Page streets.
43. Walnut and Seventh streets.
45. Allen and Bonney streets.
46. South Water and Leonard streets.
47. Junction of Sixth and County streets.
48. Water and South streets.
51. Dartmouth and Rockland streets.
52. Fourth street, head of Potomska.
53. Crapo and Rivet streets.
56. South Water and Rivet streets.
57. Mosher and County streets.
58. South Water and Cove streets.
223. Court and Tremont streets.
226. Rodman and Front streets.
227. New Bedford and Fairhaven Bridge.
- *61. Union Street Railway Car Stables.
- *62. Grinnell Mills.
- *63. Wamsutta Mills.
- *64. New Bedford Manufacturing Company.
- *65. Hathaway, Soule & Harrington.
- *67. New Bedford Cordage Factory.
- *68. New Bedford Copper Works.
- *71. Pairpoint Manufacturing Co.

- *72. George Delano's Sons & Co.'s Works.
- *73. Potomska Mills.
- *74. Acushnet Mills.
- *75. Morse Twist Drill Co.
- *76. City Manufacturing Co.
- *78. Dartmouth Mills.
- *81. Howland Mills.
- *82. Hathaway Mills.
- *83. Rotch Mills.
- *84. Iron Foundry, foot of Cannon street.
- *85. New Bedford Gas Works.
- *86. Old Colony Steamboat Co.
- *91. Bennett Mills.
- *92. New Bedford Casket Co.
- *93. Pierce Mills.
- *94. Old Colony Freight Depot, Pearl street.
- *95. Bristol Mills.
- *96. Columbia Mills.
- *97. Whitman Mills.
- 581. City Almshouse.
- 583. Brock avenue, near Butler street.

*Private boxes.

Location of Reservoirs.

Durfee street, southeast corner of Shawmut avenue.
Linden street, northeast corner of Ashland.
Franklin street, southwest corner of State.
Willis street, northeast corner of State.
Campbell street, west side of Purchase.
Smith street, southeast corner of Cottage.
Pleasant street, between Maxfield and Sycamore.
County street, southeast corner of Maxfield.
Pleasant street, southwest corner of North.
Chestnut street, between Mill and North.
Middle street, near southeast corner of Purchase.
Middle street, west of grammar school.
County street, front of M. E. church.
North Second street, northwest corner of William.
City Hall square, west of hall.
Court street, near head of Orchard.
Union street, southwest corner of County.
School street, northwest corner of Fourth.
South Second street, northwest corner of Walnut.
South Sixth street, northwest corner Walnut.
Orchard street, east side, below Hawthorn.
Russell street, between County and Sixth.
Acushnet avenue, southeast corner of Cannon.
Bedford street, southeast corner of Fifth.
South Sixth street, southwest corner of Wing.
Acushnet avenue, southeast corner of Grinnell.
Washington street, northeast corner of Crapo.

LOCATION OF HYDRANTS.

	Pressure in lbs.
Abbott street, northwest corner Ruth avenue	56
Acushnet avenue, west side, north of Tarkiln Hill road, 3743.2 feet .	35
Acushnet avenue, west side, north of Tarkiln Hill road 2986.7 feet .	40
Acushnet avenue, west side, north of Tarkiln Hill road 2392.7 feet .	44
Acushnet avenue, west side, north of Tarkiln Hill road 1783.3 feet .	48
Acushnet avenue, west side, north of Tarkiln Hill road 1195.3 feet .	52
Acushnet avenue, west side, 542 feet north of Tarkiln Hill road . .	54
Acushnet avenue, southwest corner Tarkiln Hill road	55
Acushnet avenue, west side, south of Tarkiln Hill road 500 feet . .	54
Acushnet avenue, west side, south of Tarkiln Hill road 997 feet . .	53
Acushnet avenue, west side, north of Howard avenue 600 feet . .	53
Acushnet avenue, west side, north of Howard avenue 6 feet . . .	54
Acushnet avenue, west side, south of Howard avenue 601 feet . .	55
Acushnet avenue, west side, north of Shaw 610 feet	51
Acushnet avenue, northwest corner of Shaw	47
Acushnet avenue, west side, north of Belleville road 603½ feet . .	45
Acushnet avenue, west side, head of Belleville road	42
Acushnet avenue, northwest corner of Nash road	40
Acushnet avenue, northwest corner Hathaway avenue	40
Acushnet avenue, northwest corner of Davis	41
Acushnet avenue, southwest corner of Phillips avenue	39
Acushnet avenue, southwest corner of Dean	48
Acushnet avenue, west side, north of Sawyer 574½ feet	53
Acushnet avenue, southwest corner of Coggeshall	56
Acushnet avenue, southwest corner of Cedar Grove	54
Acushnet avenue, west side, south of Logan 335 feet	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double .	62
Acushnet avenue, west side, north of Wamsutta 372 feet	60
Acushnet avenue, west side, south of Wamsutta 255 feet. Flush .	63
Acushnet avenue, west side, at end of Wall street	62
Acushnet avenue, southeast corner of Pope. Flush	64
Acushnet avenue, northwest corner of Willis. Flush	61
Acushnet avenue, west side, south of Campbell 179 feet. Flush . .	59
Acushnet avenue, northwest corner of Maxfield. Flush	57
Acushnet avenue, northwest corner of Kempton. Flush	47
Acushnet avenue, northeast corner of Elm. Flush	47
Acushnet avenue, northwest corner of School	51
Acushnet avenue, northwest corner of Madison	57
Acushnet avenue, northwest corner of Russell	58

Acushnet avenue, northwest corner of Bedford	60
Acushnet avenue, west side, opposite Howland. Flush	61
Acushnet avenue, northwest corner of Potomska	50
Acushnet avenue, west side, north of Rivet 98 feet	59
Acushnet avenue, southwest corner of Blackmer. Flush	60
Adams street, south side, west of County 538.3 feet	33
Allen street, south side, 445 feet west of Rural	26
Allen street, southeast corner of Devoll	29
Allen street, southwest corner of Page	36
Allen street, north side, east of Page, 159 feet. Flush	38
Allen street, northwest corner of Ward. Flush	41
Arch street, southwest corner of Union. Flush	24
Armour street, southwest corner of Union	24
Arnold place, west side, south of Rotch court 38.3 feet	21
Arnold street, south side, west of Orchard 96 feet	22
Arnold street, southwest corner of Chancery. Flush	33
Arnold street, southeast corner of Atlantic. Flush	32
Arnold street, south side, 15.3 feet west of James	24
Ash street, northwest corner of Middle	27
Ash street, southwest corner of Morgan. Double	25
Ash street, northwest corner of Arnold. Flush	32
Ash street, northwest corner of Maple. Flush	34
Ash street, northwest corner Bedford	37
Ashland street, southwest corner of Clark	12
Ashley street, west side, south of Cove (west) 222.2 feet	60
Atlantic street, northwest corner of Maple	29
Atlantic street, southwest corner of Union	31
Austin street, southwest corner of Purchase	56
Austin street, southeast corner of State	42
Austin street, southwest corner of Ashland	15
Austin street, southeast corner of Cedar	19
Austin street, south side, on west line of Wilson	20
Austin street, southeast corner of Shawmut avenue	14
Babbitt street, south side, 207.5 feet west of Dartmouth	42
Babbitt street, southeast corner of Field	37
Bedford street, southwest corner of Fourth	53
Bedford street, southwest corner of Fifth	55
Bedford street, southwest corner County	42
Bedford street, southwest corner of Orchard	33
Beech street, northwest corner of Kempton	18
Beetle street, southwest corner of Howard	55
Beetle street, southeast corner of Front	57
Belleville avenue, southwest corner of Washburn	61
Belleville avenue, west side, 118 feet north of Washburn	63
Belleville avenue, northwest corner of Cedar Grove	62

Belleville avenue, west side, 134 feet north of Coggeshall	62
Belleville avenue, northwest corner of Beetle	60
Belleville avenue, southwest corner of Plummer avenue	58
Belleville road, southwest corner of Diman	34
Belleville road, south side, east of Acushnet avenue 1344 feet	40
Blackmer street, south side, east of Front 284 feet	59
Blackmer street, south side, east of Front 575 feet	60
Blackmer street, south side, east of Front 738 feet	60
Blackmer street, south side, east of Front 904 feet	60
Bolton road, west side, 370 feet north of Rivet	50
Bolton road, west side, north of Rotch Mill No. 2	49
Bolton road, west side, south of Rotch Mill No. 2	49
Bolton road, west side, south of Rivet 1027 feet	59
Bolton road, northwest corner of Poplar road	59
Bonney street, southwest corner of Allen	41
Bonney street, northwest corner of Grinnell	48
Bonney street, northwest corner of Rockland	54
Bonney street, southwest corner of Thompson	55
Borden street, northwest corner of Bedford	36
Borden street, southwest corner of Bay	42
Bowditch street, southwest corner of Weld	56
Bowditch street, west side, 313 feet south of Cedar Grove	55
Bowditch street, west side, north of Cedar Grove 244 feet	55
Bowditch street, northwest corner of Coggeshall	49
Bowditch street, southwest corner Dean	42
Bowditch street, southwest corner of Coffin avenue	40
Bowditch street, west side, 358 feet north of Coffin avenue	34
Bowditch street, southwest corner of Davis	29
Bowditch street, west side, north of Davis 175 feet	28
Bridge avenue, north side, 483.4 feet east from west line of Pope's Island Manufacturing Co. building. Flush	—
Bridge avenue, north side, 215.7 feet east from west line Pope's Island Manufacturing Co. building. Flush	—
Bridge avenue, south side, 24.6 feet west from west line of Pope's Island Manufacturing Co. building. Flush	—
Bridge avenue, north side, 44 feet west of draw. Flush	62
Bridge avenue, south side, 11 feet west of draw. Flush	62
Brock avenue, southwest corner of David	45
Brock avenue, southwest corner of Woodlawn avenue	45
Brock avenue, southwest corner of Willard	44
Brock avenue, southwest corner, first street south of Norman	45
Brock avenue, west side, 1063 feet south of Butler	48
Brock avenue, west side, 2538.1 feet south of Butler	51
Brownell street, west side, 294 feet south of Union	22
Bullard street, southwest corner of Belleville avenue	60

Bullard street, southeast corner of Front	50
Bullard street, southeast corner of Bowditch	44
Bullock street, southwest corner of Trinity	14
Butler street, south side, 1635 feet east of Brock avenue. Flush	55
Butler street, south side, 287 feet east of Brock avenue. Flush	40
Campbell street, southwest corner of Purchase	49
Campbell street, south side, east of County 163 feet. Flush	28
Campbell street, south side, 216.5 feet west of County	25
Campbell street, southwest corner of Cottage	19
Campbell street, south side, east of Shawmut ave. 205 feet. Flush	18
Cannon street, south side, east of Second 164 feet	63
Cedar street, northwest corner of Elm. Double	25
Cedar street, southwest corner of Kempton. Flush	26
Cedar street, west side, north of Mill 75 feet. Flush	23
Cedar street, southwest corner of Hillman. Flush	23
Cedar street, northwest corner of Sycamore. Flush	21
Cedar street, southwest corner of Campbell. Flush	18
Cedar street, southwest corner of Parker. Flush	19
Cedar Grove street, southeast corner of Front	60
Cedar Grove street, southeast corner of Howard	58
Cedar Grove street, south side, 383 feet west of Bowditch	57
Cedar Grove street, northwest corner of Purchase	56
Cedar Grove street, southwest corner of County	43
Cedar Grove street, south side, 183.5 feet west of County	40
Centre street, south side, east of Water 85 feet. Flush	56
Chancery street, southwest corner of Maple	34
Chancery street, west side, north of Arnold 406 feet	33
Chancery street, southwest corner of Elm	28
Chancery street, west side, south of Parker 176 feet	24
Chancery street, west side, north of Parker 650 feet	16
Cherry street, southeast corner of Seventh. Flush	38
Chestnut street, southwest corner of North. Flush	19
Chestnut street, west side, north of Campbell 96 feet. Flush	22
Chestnut street, southwest corner of Merrimac	16
Church street, southwest corner of Hathaway avenue	33
Church street, west side, 591.4 feet north of Coffin avenue	36
Clark street, southwest corner of State, ...	46
Clark street, south side, west of County 218 feet	34
Clay street, northwest corner of Columbia	44
Cleveland avenue, west side, 681 feet south of Cove	54
Clinton street, south side, 224.6 feet west of County	25
Clinton street, south side, west of Ash 242.5 feet	44
Coffin avenue, southwest corner of Church	40
Coffin avenue, south side, opposite Onoko lane	40
Coffin avenue, southeast corner of Front	50

Coffin avenue, southwest corner of Belleville avenue	59
Coffin avenue, northwest corner of Riverside avenue	56
Coffin avenue, south side, east of Riverside avenue 227 feet	56
Coffin avenue, north side, east of Riverside avenue 414 feet	56
Coffin street, southwest corner of Water	61
Coffin street, north side, 262 feet east of Water	62
Coggeshall street, south side, 654 feet east of Mitchell	63
Coggeshall street, south side, 498 feet east of Mitchell	62
Coggeshall street, south side, 334 feet east of Mitchell	62
Coggeshall street, north side, 148 feet east of Mitchell	62
Coggeshall street, southeast corner of Belleville avenue	62
Coggeshall street, southwest corner of Front	61
Coggeshall street, southwest corner of Purchase	53
Coggeshall street, southeast corner of County	43
Coggeshall street, south side, 384 feet west of County	36
Collette street, south side, east of Acushnet avenue 275 feet	38
Collins street, southeast corner of Glover	15
Columbia street, southwest corner of Allen	40
Commercial street, north side, east of Front, 82 feet	62
Cottage road, south side, 435 feet west of Bolton road	55
Cottage street, southwest corner of Bay	43
Cottage street, northwest corner of Allen. Flush	42
Cottage street, northwest corner of Bedford. Flush	37
Cottage street, southwest corner of Arnold	20
Cottage street, southwest corner of Union	20
Cottage street, southwest corner of Court	22
Cottage street, southwest corner of Kempton	22
Cottage street, southwest corner of Mill	20
Cottage street, southwest corner of North	19
Cottage street, southwest corner of Hillman	20
Cottage street, northwest corner of Sycamore	20
Cottage street, northwest corner of Parker	23
Cottage street, west side, 237 feet north of Locust	20
Cottage street, west side, 92 feet south of Austin	17
Cottage street, southwest corner of Durfee.	8
County street, southwest corner of Sawyer	44
County street, southeast corner of Penniman	44
County street, west side, 234½ feet south of Clark	43
County street, west side, 115 feet south of Weld	42
County street, southwest corner of Austin	33
County street, west side, head of School	23
County street, southwest corner of Madison	27
County street, southwest corner of Hawthorn	32
County street, northwest corner of Allen	45
County street, southwest corner of Grinnell	61

County street, northwest corner of South	62
County street, northwest corner of Windsor	57
County street, west side, 71 feet north of Division	54
County street, northwest corner of Cove road	62
Court street, southwest corner of Orchard	20
Court street, southeast corner of Cedar	20
Court street, northeast corner of Ash	20
Court street, southwest corner of Emerson	25
Court street, south side, west from Park 304 feet. Flush	32
Court street, south side, head of Jenney	23
Court street, south side, east of Reed 300 feet	22
Cove road, southwest corner of West French avenue	58
Cove road, southwest corner of Shore street	61
Cove road, north side, 365 feet west of County	61
Cove street, southwest corner of Cleveland avenue	61
Cove street, southwest corner of Harrison avenue	61
Cove street, southwest corner of Salisbury	59
Cove street, southwest corner of Viall	59
Cove street, southwest corner of McGurk	59
Cove street, southwest corner of West French avenue	57
Cove street, southeast corner of Stapleton	55
Cove street, southeast corner of County	62
Crapo street, west side, south of Washington 343 feet. Flush	60
Crapo street, west side, south of Rockland 225 feet. Flush	63
Crapo street, west side, 160 feet south of Thompson	58
Dartmouth street, east side, southwest of Orchard 110 feet	46
Dartmouth street, east side, 125 feet south of Hickory	47
Dartmouth street, east side, 260 feet south of Rockland	45
Dartmouth street, east side, 99 feet south of Thompson	44
Dartmouth street, southeast corner of Larch	42
Dartmouth street, northeast corner of Dunbar	41
Davis street, southwest corner of Riverside avenue	56
Davis street, south side, 321.8 feet east of Front	50
Davis street, southwest corner of Front	46
Dean street, southwest corner of Belleville avenue	62
Dean street, southeast corner of Front	50
Delano street, southwest corner of Water	57
Delano street, southeast corner of Acushnet avenue	57
Division street, southeast corner of Second	61
Division street, south side, 527 feet west of County	62
Division street, south side, east of Crapo 6 feet	58
Dudley street, south side, 122 feet east of West French avenue	60
Dudley street, south side, 607 feet west of Brock avenue	48
Dunbar street, southwest corner of Hemlock	50
Durfee street, southwest corner of Cedar	15

Durfee street, southwest corner of Bullock	17
Durfee street, southwest corner of Shawmut avenue	12
Durfee street, south side, 186.6 feet west of Shawmut avenue	14
Earle street, south side, 274.2 feet east of Acushnet avenue	46
East French avenue, west side, 807.2 feet south of Cove	62
East French avenue, northwest corner of Abbott	61
Edwards street, south side, 90 feet east of Field	35
Elm street, southwest corner of Purchase	43
Elm street, southwest corner of Pleasant	37
Elm street, southwest corner of Eighth	21
Elm street, southwest corner of Summer. Flush	18
Elm street, south side, 43.5 feet west of Florence	26
Elm street, southeast corner of Palmer	14
Emerson street, west side, 173.8 feet north of Arnold	29
Field street, northwest corner of Stowell	37
Fifth street, southwest corner of Union	41
Fifth street, southwest corner of School	45
Fifth street, west side, south of Madison 245 feet. Flush	50
Fifth street, northwest corner of Wing	59
Fifth street, northwest corner of Grinnell. Flush	61
First street, southwest corner of Spring. Flush	58
First street, west side, south of School 109 feet. Flush	57
First street, west side, south of Howland 185 feet. Flush	65
First street, northwest corner of Potomska	59
Florence street, southwest corner of Hillman	24
Florence street, northwest corner of Mill	24
Florence street, west side, 199.6 feet south of Kempton	27
Florence street, southwest corner of Morgan	29
Forest street, south side, west of County 90 feet. Flush	53
Foster street, southwest corner of High	30
Fourth street, southwest corner of Union. Flush	46
Fourth street, west side, north of School 106 feet. Flush	46
Fourth street, west side, south of Madison 210 feet. Flush . . .	54
Fourth street, east side, opposite Washington	57
Fourth street, northwest corner of Rockland. Flush	62
Fourth street, west side, South of Potomska 61 feet	58
Franklin street, southwest corner of Pleasant. Flush	43
Franklin street, southwest corner of State	38
Front street, southwest corner of Holly	56
Front street, west side, south of Washburn 319 feet. Flush . . .	62
Front street, southwest corner of Logan	60
Front street, west side, 190.2 feet south of Logan	62
Front street, west side, south of Logan 383 feet	63
Front street, west side, 235.2 feet north of Wamsutta	63
Front street, southeast corner of Wamsutta	63

Front street, southwest corner of Middle	62
Front street, southwest corner of Hazard's lane. Flush	61
Front street, northwest corner of Rodman	61
Front street, southwest corner of Centre. Flush	61
Front street, west side, south of Commercial 86 feet. Flush	63
Front street, northwest corner lane head of Merrill's wharf. Flush	65
Front street, west side, south of Howland 268 feet	61
Front street, southwest corner of Grinnell	62
Front street, west side, south of South 330 feet	62
Front street, west side, 191 feet north of Blackmer	59
Front street, west side, north of Delano 191 feet	62
Front street, west side, south of Delano 200 feet	57
Fruit street, south side, east of Hemlock 126.5 feet	53
Fruit street, south side, 25.5 feet west of Mulberry	46
Gifford street, south side, 274 feet east of Water	65
Gifford street, south side, 167.8 feet west of Harbor	60
Gifford street, south side, 299.3 feet east of Harbor	62
Grand street, south side, 750 feet west of Shawmut avenue	14
Granfield street, west side, 263 feet north of Coggeshall	59
Grape street, south side, west of Lewis 131 feet	36
Grape street, southwest corner of Small	35
Grape street, southwest corner of Devoll	29
Griffin street, southwest corner of Second. Flush	62
Grinnell street, south side, west of Acushnet avenue 76 feet. Flush	60
Grinnell street, south side, east of Crapo 103 feet. Flush	58
Grinnell street, southwest corner of Orchard	50
Grove street, southwest corner of Anthony	26
Grove street, southwest corner of Cottage	30
Harbor street, east side, 195 feet north of Cove	60
Harbor street, east side, 372 feet north of Cove	60
Harbor street, east side, 540 feet north of Cove	60
Harbor street, east side, 195.8 feet south of Gifford	61
Harbor street, southeast corner of Gifford	61
Harmony street, southwest corner of Social	59
Harrison street, southwest corner of Hickory	48
Hathaway avenue, south side, 144 feet east of Acushnet avenue	41
Hathaway avenue, south side, 278.2 feet west of Acushnet avenue	37
Hathaway avenue, south side, 308.9 feet east of Church	32
Hawthorn street, southwest corner of Cottage	28
Hawthorn street, southeast corner of Page. Flush	28
Hawthorn street, south side, east of Tremont 147 feet	28
Hawthorn street, southwest corner of Brigham	26
Hawthorn street, south side, 301 feet west of Brigham	24
Hazard street, south side, west of State 140 feet. Flush	36
Hazard street, southwest corner of Pleasant. Flush	46

Hemlock street, west side, 231 feet south of Rockland	50
Hicks street, south side, east of Acushnet avenue 276 feet	56
High street, south side, east of Acushnet avenue 43 feet. Flush	48
High street, southwest corner of Purchase	42
High street, south side, east of County 177 feet. Flush	23
Highland street, west side, 418.4 feet north of Durfee	12
Hillman street, southwest corner of Second. Flush	57
Hillman street, southwest corner of Purchase	45
Hillman street, southwest corner of Pleasant	35
Hillman street, head of State	27
Hillman street, head of Thomas	23
Hillman street, southwest corner of Chancery	29
Hillman street, south side, 609.5 feet east of Florence	28
Hillman street, southwest corner of Lindsey	26
Hillman street, southeast corner Rockdale avenue	13
Holly street, southwest corner of Belleville avenue	61
Holly street, southwest corner of Bowditch	48
Holly street, southeast corner of Brook	47
Hollyhock street, south side, 318.6 feet east of Field	42
Homer street, southwest corner of Locust	18
Howard avenue, south side, 364 feet east of Acushnet avenue	52
Howland street, northeast corner of Second. Flush	63
Howland street, south side, 19.2 feet west of Prospect	60
Hunter street, southwest corner of Hillman	20
Independent street, south side, 480 feet west of County	57
Independent street, southeast corner of Crapo	56
Irving court, north end of Court. Flush	25
James street, west side, 107 feet north of Arnold	24
James street, southwest corner of Court	24
Jouvette street, south side, west of County 372 feet	59
Katharine street, southeast corner of Crapo	58
Katharine street, south side, 442 feet west of County	57
Keene street, south side, 434 feet west of Park	27
Kempton street, southwest corner of Purchase	40
Kempton street, southwest corner of Pleasant	36
Kempton street, south side, opposite Hill	23
Kempton street, southwest corner of County	15
Kempton street, southwest corner of Summer	14
Kempton street, southwest corner of Emerson. Flush	26
Kempton street, southwest corner of Park. Flush	28
Kempton street, southwest corner of Liberty. Flush	29
Kempton street, southeast corner of Jenney. Flush	26
Kempton street, south side, west of Hunter 50 feet	21
Kempton street, southwest corner of Francis	14
Kilburn street, north side, east of Front 244 feet	62

Kilburn street, north side, east of Front 581 feet	64
Larch street, south side, 120 feet east of Mulberry	45
Larch street, south side, 129 feet east of Hemlock	51
Liberty street, west side, south of Kempton 339 feet. Flush	30
Liberty street, west side, 127.7 feet north of Court	29
Lincoln street, west side, south of Union 171 feet. Flush	23
Linden street, southwest corner of Purchase	53
Linden street, south side, west of State $13\frac{1}{2}$ feet	43
Linden street, south side, west of County 169 feet	34
Linden street, south side, $67\frac{1}{2}$ feet west of Reynolds	24
Linden street, south side, $6\frac{1}{2}$ feet east of Ashland	14
Lindsey street, west side, 173 feet south of Kempton	27
Lindsey street, northwest corner of Morgan	24
Locust street, southwest corner of County	19
Locust street, southwest corner of Chestnut	23
Locust street, southeast corner of Richmond	15
Logan street, south side, east of Acushnet avenue 400 feet. Flush	62
Logan street, southwest corner of Acushnet avenue. Flush	63
Lombard street, southeast corner of Purchase	55
Lombard street, west side, $209\frac{1}{2}$ feet south of Rockland	50
Lucas street, south side, 214 feet west of Brock avenue	49
Madison street, southwest corner of First. Flush	61
Madison street, southwest corner of Water	60
Madison street, southwest corner of Sixth	41
Maitland street, southwest corner of Cedar	19
Maple street, southwest corner of Cottage	25
Maxfield street, southwest corner of Second	58
Maxfield street, southwest corner of Purchase	46
Maxfield street, southwest corner of Pleasant	38
Maxfield street, southwest corner of Foster	33
Maxfield street, southwest corner of County	22
Maxfield street, southwest corner of Chestnut	15
Maxfield street, southeast corner of Spruce. Flush	21
Maxfield street, southeast corner of Ash	22
Maxfield street, south side, 44.4 feet east of Chancery	27
McGurk street, west side, 348 feet north of Brock avenue	55
Mechanics lane, northwest corner of Purchase	42
Mechanics lane, north side, east of Eighth 206 feet. Flush	30
Merrimac street, southwest corner of State	41
Merrimac street, southwest corner of Summer	19
Middle street, southwest corner of Second	52
Middle street, southwest corner of Acushnet avenue	46
Middle street, southwest corner of Purchase	42
Middle street, southwest corner of Pleasant	35
Middle street, southwest corner of Sixth	30

Middle street, southwest corner of County	20
Middle street, south side, east of Cedar 371 feet. Flush	32
Middle street, southeast corner of Chancery. Flush	29
Mill street, southwest corner of Purchase	43
Mill street, south side, west of Hill 191 feet. Flush	25
Mill street, south side, west of Ash 45 feet. Flush	25
Mill street, south side, 104 feet east of Park	25
Mill street, southeast corner of Newton	26
Mill street, southeast corner of Summit	15
Milton street, south side, 85 feet west of Rockdale avenue	11
Mitchell street, northwest corner of Coggeshall	61
Mitchell street, west side, 178.8 feet north of Coggeshall	63
Mitchell street, west side, 345 feet south of Sawyer	61
Mitchell street, southwest corner of Sawyer	61
Moorland terrace, southwest corner of Ash	33
Morgan street, southwest corner of County	20
Morgan street, southwest corner of Cottage. Flush	33
Morton's court, west side, 385.3 feet north of Cove	59
Mosher street, south side, west of County 517 feet	59
Mosher street, southeast corner of Crapo	55
Mt. Pleasant street, west side, south of Tarkiln hill road 35 feet	
Mt. Pleasant street, west side, north of Nash road 1,671 feet	
Mt. Pleasant street, west side, north of Nash road 348 feet	
Mt. Pleasant street, west side, north of railroad fence 285 feet	
Mt. Pleasant street, west side, south of Hathaway road 40 feet	
Mt. Pleasant street, west side, north of Peckham-West cemetery 277 feet	
Mt. Pleasant street, west side, south of Peckham-West cemetery 74 feet	
Mt. Pleasant street, west side, north of reservoir 837 feet	
Mt. Pleasant street, west side, north of reservoir 450 feet	
Mt. Pleasant street, west side, north of reservoir 40 feet	
Mt. Pleasant street, west side, south of Peckham 217 feet	
Mt. Vernon street, southwest corner of Mt. Pleasant	5
Mt. Vernon street, southeast corner of Vine. Flush	5
Myrtle street, west side, 22 feet south of Weld	23
Myrtle street, southwest corner of Clark	18
Nelson street, south side, 541.6 feet west of County	60
Newton street, northwest corner of Elm	29
North street, southeast corner of Second	54
North street, southwest corner of Acushnet avenue	49
North street, southwest corner of Purchase	44
North street, northwest corner of Pleasant	35
North street, southwest corner of Foster	30
North street, southwest corner of Hill	26

North street, southwest corner of County	20
North street, southwest corner of Park	29
North street, south side, 258 feet west of Newton	24
North street, southwest corner of Hunter	22
North street, southwest corner of Beech	17
Nye street, southwest corner of Belleville avenue	60
Nye street, southwest corner of Front	54
Nye street, south side, 311.7 feet west from Acushnet avenue	42
Oak street, southwest corner of Harrison	45
Oak street, northwest corner of Grape	41
Oak street, southwest corner of Allen	38
Ocean street, west side, 184½ feet south of Arnold	32
Orchard street, southwest corner of Madison	27
Orchard street, southwest corner of Grove	34
Orchard street, west side, north of Rockland 98 feet	48
Palmer street, northwest corner of Union	20
Park place, south side, west of Sixth 306 feet. Flush	32
Park street, west side, 27.1 feet south of Maxfield	24
Park street, southwest corner of Hillman	25
Park street, west side, south of Kempton 339 feet	27
Park street, northwest corner of Court	28
Park street, west side, north of Arnold 263 feet	34
Parker street, south side, at Oak Grove cemetery	25
Parker street, southwest corner of Sumner. Flush	27
Parker street, southwest corner of County	21
Pearl street, southwest corner of Pleasant	41
Pearl street, southwest corner of Purchase	50
Phillips avenue, southwest corner of Riverside avenue	56
Pierce street, west side, 253.7 feet north of Court	30
Pine street, northwest corner of Cross. Flush	65
Plainville road, south side, east of Shawmut avenue 705 feet	
Plainville road, south side, east of Shawmut avenue 1,139 feet	
Plainville road, south side, east of Shawmut avenue 2,317 feet	
Plainville road, south side, east of Shawmut avenue 3,113 feet	
Plainville road, south side, east of Shawmut avenue 3,920 feet	
Pleasant street, northwest corner of Market	40
Pleasant street, west side, north of William 21½ feet	40
Pleasant street, east side, foot of Sycamore	39
Pleasant street, northwest corner of Pope. Flush	42
Pleasant street, northwest corner of Austin. Flush	47
Pleasant street, southwest corner of Linden. Flush	48
Pleasant street, southwest corner of Weld	48
Plummer avenue, southwest corner of Riverside avenue	56
Plummer avenue, south side, 177 feet east of Belleville avenue	58
Pope street, south side, opposite North Oak	27

Pope street, southwest corner of Summer	20
Poplar road, south side, 431 feet west of Bolton road	52
Potomska street, a group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Po- tomska street	64
Prospect street, west side, 275.2 feet north of Grinnell	61
Prospect street, northwest corner of Grinnell	63
Prospect street, west side, north of Potomska 324½ feet	62
Prospect street, northwest corner of Potomska	63
Purchase street, northwest corner of Dean	43
Purchase street, west side, opposite Oneko mill	48
Purchase street, east side, opposite Clark	58
Purchase street, northwest corner of Merrimac. Double	51
Purchase street, northwest corner of Pope. Flush	52
Purchase street, west side, 348 feet south of Campbell	48
Purchase street, northwest corner of Union. Flush	43
Purchase avenue, northeast corner of Purchase	42
Reed street, west side, 145 feet north of Court	19
Reed street, southwest corner of Elm	14
Reed street, southwest corner of Middle	14
Reynolds street, southwest corner of Weld	26
Reynolds street, west side, 17.9 feet south of Clark	29
Richmond street, southwest corner of Maitland	16
Rivet street, southwest corner of Second. Flush	62
Rivet street, southwest corner of County	59
Rivet street, southwest corner of Bonney	59
Rivet street, southeast corner of Bolton road	56
Rivet street, southwest corner of Hemlock	51
Robeson street, southwest corner of County	20
Robeson street, southwest corner of Ashland	15
Robeson street, southeast corner of Cottage	19
Robeson street, southeast corner of Cedar	21
Robeson street, south side, 424 feet west of Cedar	17
Rockdale avenue, southwest corner of Bolton road	57
Rockdale avenue, south side, 327 feet west of Bolton road	54
Rockdale avenue, west side, 79.5 feet north of Milton	10
Rockland street, southwest corner of County	58
Rockland street, southeast corner of Hall	56
Rockland street, south side, 13 feet west of Orchard	54
Rockland street, south side, 179.3 feet east of Hemlock	51
Rockland street, southwest corner of Lombard	50
Rotch street, west side, south of Union 213.7 feet	23
Rounds street, northwest corner of Elm	22
Rural street, southwest corner of Allen	28
Russell street, south side, east of Fifth 92 feet. Flush	54

Russell street, southwest corner of Sixth	47
Russell street, south side, 179 feet west of Sixth	42
Salisbury street, west side, 598 feet south of Cove	53
Sand street, northwest corner of Grit	58
Sawyer street, southwest corner of Bowditch	53
Sawyer street, southwest corner of Acushnet avenue	59
Sawyer street, southeast corner of Belleville avenue	65
Sawyer street, south side, 418.8 feet east of Mitchell	64
Sawyer street, north side, 750 feet east of Belleville avenue	63
School street, southwest corner of Sixth	37
Scott street, south side, 325 feet west of County	59
Second street, northwest corner of Mill. Flush	55
Second street, west side, south of Elm 52 feet	52
Second street, west side, south of Spring 74 feet. Flush	55
Second street, northwest corner of Coffin. Flush	61
Second street, west side, at head of Morgan's lane	60
Second street, west side, north of Grinnell 61 feet. Flush	63
Second street, west side, north of Potomska 232 feet	61
Second street, west side, south of Potomska 122 feet	63
Second street, west side, 188 feet south of Blackmer	59
Seventh street, southwest corner of Union	31
Seventh street, west side, north of Madison 50 feet. Flush	36
Shawmut avenue, southwest corner of Willis	18
Shawmut avenue, southwest corner of Parker	18
Shawmut avenue, west side, head of Locust	17
Shawmut avenue, southwest corner of Robeson	14
Shawmut avenue, west side, north of Austin 195 feet	13
Shawmut avenue, west side, 497 feet north of Durfee	12
Shawmut avenue, southwest corner of Grand	11
Shawmut avenue, west side, 203 feet north of Grand	11
Shawmut avenue, northwest corner of Plainville road	
Sherman street, south side, west of County 314 feet. Flush	51
Shore street, west side, 264 feet south of Cove road	61
Sisson street, northwest corner of Union	25
Sixth street, west side, north of Grinnell 194 feet	60
Smith street, southwest corner of County	28
Smith street, southwest corner of Chestnut	21
Smith street, southeast corner of Spruce	20
Smith street, southeast corner of Shawmut avenue. Flush	22
Smith street, south side, east of Park 5 feet	29
South street, southwest corner of Acushnet avenue	57
South street, southwest corner of Second	59
South street, southwest corner of First	59
South street, southwest corner of Water	63
South street, southwest corner of Prospect	61

Spring street, southwest corner of Water	59
Spring street, southeast corner of Acushnet avenue	51
Spring street, southeast corner of Fifth. Flush	42
Spring street, southwest corner of Seventh	27
State street, southwest corner of Sycamore	31
State street, southwest corner of Pearl. Flush	34
Stone street, west side, 208.6 feet south of Allen	38
Summer street, northwest corner of North. Flush	16
Summer street, northwest corner of Hillman. Flush	16
Summer street, southwest corner of Willis. Flush	26
Sycamore street, southwest corner of Thomas. Flush	30
Sycamore street, southwest corner of Summer. Flush	24
Sycamore street, southwest corner of Chancery	25
Taber street, southwest corner of Page	34
Taber street, south side, 428.7 feet west of Page	31
Tallman street, south side, west of Acushnet avenue 421.9 feet	47
Tallman street, southwest corner of Belleville avenue	61
Thompson street, southeast corner of Bourne	44
Thompson street, southwest corner of Hemlock	50
Thompson street, south side, 99.6 feet east of Hemlock	52
Thompson street, south side, 302 feet west of Bonney	55
Thompson street, south side, 20 feet east of Hall	58
Thompson street, southwest corner of County	59
Tinkham street, south side, 239.2 feet east of Acushnet avenue	41
Tremont street, southwest corner of Union	26
Tremont street, northwest corner of Maple	29
Trinity street, south side, 264 feet west of Cedar	17
Union street, southwest corner of Front	63
Union street, southwest corner of Water	57
Union street, southwest corner of First	56
Union street, southwest corner of Second	52
Union street, southwest corner of Acushnet avenue	48
Union street, southwest corner of Sixth	38
Union street, southwest corner of County	22
Union street, southeast corner of Emerson	28
Union street, southeast corner of Ocean	28
Union street, south side, west of James 61 feet	21
Viall street, west side, 576.1 feet south of Cove	55
Vine street, west side, north of Durfee 215 feet	6
Walden street, southwest corner of Maxfield. Flush	31
Wall street, south side, east of Acushnet avenue 165 feet. Flush	62
Walnut street, northwest corner of Front	61
Walnut street, southwest corner of Water	60
Walnut street, southwest corner of Second. Flush	57
Walnut street, southwest corner of Fourth	48

Walnut street, southwest corner of Seventh	38
Wamsutta street, south side, west of Front 200 feet	65
Wamsutta street, south side, west of Front 372 feet	65
Wamsutta street, south side, east of Acushnet avenue 285 feet.	
Double	64
Ward street, southwest corner of Bay	44
Warren street, southwest corner of Brock avenue	53
Washburn street, southeast corner of Acushnet avenue	59
Washburn street, south side, west of North Front 228 feet	59
Washington street, southwest corner of County	57
Washington street, southwest corner of Crapo	56
Washington street, south side, west of Orchard 102 feet. Flush .	50
Washington street, southeast corner of Dartmouth. Flush . . .	46
Water street, southwest corner of Hillman. Flush	65
Water street, southwest corner of North	64
Water street, west side, south of North 258 feet. Flush	63
Water street, northwest corner of Middle. Double	62
Water street, southwest corner of Elm. Flush	60
Water street, west side, north of Centre 46 feet. Flush	50
Water street, southwest corner of School	60
Water street, west side, head of Pine	67
Water street, west side, head of Leonard	62
Water street, southwest corner of Howland	60
Water street, northwest corner of Grinnell	60
Water street, northwest corner of Potomska	63
Water street, west side, 266 feet south of Potomska	63
Water street, northwest corner of Rivet	63
Water street, southwest corner of Blackmer	63
Water street, northwest corner of Delano	62
Water street, west side, head of Gifford	62
Weld street, southeast corner of Mt. Pleasant	7
Weld street, southwest corner of State	43
William street, southwest corner of Bethel	51
William street, southwest corner of Second	48
William street, southeast corner of Acushnet avenue	47
William street, southwest corner of Purchase	43
William street, southwest corner of Sixth	38
William street, southwest corner of Eighth	37
Willis street, southwest corner of Purchase	50
Willis street, southeast corner of Pleasant	41
Willis street, southwest corner of State	28
Willis street, southwest corner of County	26
Willis street, southwest corner of Cottage	19
Willis street, south side, west of Cedar 200 feet. Flush	18
Willow street, southwest corner of Cottage	15

Willow street, southeast corner of Shawmut avenue	13
Wing street, southwest corner of Fourth. Flush	57
Wing street, southwest corner of Sixth	57
Winsor street, south side, west of County 455½ feet	58
Winsor street, south side, 77½ feet east of Crapo	60
Number of flush hydrants	126
Number of post hydrants	587
Total number of hydrants	713

IN BOARD OF ALDERMEN,

February 9, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

2 mo. 9, 1899.

Concurred.

WM. A. MACKIE, Clerk.

1899—CITY DOCUMENT No. 6.

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEW BEDFORD,

TOGETHER WITH THE

Superintendent's Annual Report,

FOR THE YEAR 1898.

NEW BEDFORD:
E. ANTHONY & SONS, INC., CITY PRINTERS.
1899.

IN SCHOOL COMMITTEE.

December 30, 1898.

Voted, That the Secretary prepare the Annual Report of the School Board for the year 1898, and that 2,500 copies of the same be printed.

Report of the Secretary.

By direction of the School Committee, I submit to our fellow citizens the following report for the year 1898 :

STATISTICS.

I. POPULATION AND VALUATION.

The population of the city (census of 1890) was	40,705
The population of the city (census of 1895) was	55,251
Estimated population of the city (Dec. 1898)	60,000
Valuation of taxable property (1898)	\$56,830,350
School houses and lots,	842,192
Other school property,	62,000

II. APPROPRIATION.

Rate of taxation,	\$19.20
Amount for school purposes, not including new buildings,	\$206,879.36
Ratio of ordinary expenses of day schools to whole tax, (exclusive of payments on city debt and interest on the same, also appropriations to library),	.30+

III. SCHOOL CENSUS.

School census, May, 1897 (children between five and fifteen years of age),	11,439
School census, May, 1898 (children between five and fifteen years of age),	11,109
Decrease as shown by the returns,	330

SCHOOL CENSUS BY WARDS.

	1897.	1898.	
Ward One,	3,242	2,964	decrease 278
Ward Two,	1,592	1,552	decrease 40
Ward Three,	865	869	increase 4
Ward Four,	963	952	decrease 11
Ward Five,	1,516	1,528	increase 12
Ward Six,	3,261	3,244	decrease 17

LOCATION OF CHILDREN BETWEEN FIVE AND FIFTEEN YEARS OF AGE, AS TO SCHOOL ATTENDANCE, AS REPORTED BY THE CENSUS ENUMERATORS.

	Attending Public Schools.	Attending Private Schools.	Attending no School.
Ward One,	1,427	1,019	518
Ward Two,	758	549	245
Ward Three,	669	134	66
Ward Four,	809	48	95
Ward Five,	1,126	170	232
Ward Six,	2,094	599	551

Children reported as attending no school are presumably those who are between five and seven years of age, and those over fourteen who have completed their school requirements.

IV. SCHOOL ORGANIZATION.

High School,	1
Normal and Training school for teachers,	1
Grammar schools,	6
Primary schools,	14
Country schools,	4
Mill schools,	2

V. SCHOOL BUILDINGS.

Occupied by the schools,	25
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ROOMS USED FOR SCHOOL PURPOSES (DAY SCHOOLS) INCLUDING
HALLS AND RECITATION ROOMS.

High School,	17
Normal and Training school,	11
Grammar schools,	49
Primary schools,	106
Mill schools,	4
Country schools,	8
Manual Training school,	1
Cooking school,	1
Rooms unoccupied,	7
Total,	204
Rooms used for both day and evening schools,	34
Rooms used for evening drawing school,	3

VI. SEATS.

	Seats Occupied.	Seats Unoccupied
High School,	360	21
Grammar schools,	2,074	230
Primary schools,	4,358	728
Normal and Training school,	386	
Mill schools,	136	24
Country schools,	330	59
Kindergartens,	130	20

VII. TEACHERS.

Whole number in service Dec. 24, 1898 :

High School,	15
Normal and Training school: Regular teachers,	6
average number of pupil teachers under pay,	8
Grammar schools,	52
Primary schools,	108
Kindergartens,	6
Country schools,	7
Mill schools,	4
Special teachers,	7
Temporary assistants,	1
Evening schools,	69
Total,	293

VIII. PUPILS.

DAY SCHOOLS—1898.

Whole number of pupils enrolled of all ages,	9,140
Average number of pupils belonging,	7,490
Average daily attendance,	6,966
Per cent. of attendance,	93
Number of half-days absence,	189,286
Number cases of tardiness,	13,446
Number cases of dismissal,	23,836
Number cases of truancy reported by teachers,	301
Number cases of corporal punishment,	913
Number cases of suspension,	5
Half-days absence of teachers,	797
Number cases of tardiness by teachers,	145
Number visits made the schools by the Superintendent,	551
Number visits made the schools by the School Committee,	536
Number visits made the schools by parents and others,	4,421

EVENING SCHOOLS—1898.

Whole number pupils enrolled,	2,283
Average number belonging,	1,125
Average nightly attendance,	889
Per cent. of attendance,	79
Total nights absence,	9,956
Number cases of tardiness,	715
Number visits by Superintendent,	13
Number visits by School Committee,	177

EVENING DRAWING SCHOOL—1898.

Whole number pupils enrolled,	107
Average number belonging,	48
Average nightly attendance,	39
Per cent. of attendance,	81

PUBLIC SCHOOLS.

	1898.	1897.		
Enrollment of pupils,	9,140	8,671	increase	469
Average number belonging,	7,490	7,081	increase	409
Average daily attendance,	6,966	6,600	increase	366
Per cent. of attendance,	93	93.2	decrease	.02
Number cases tardiness,	13,446	12,361	increase	1,085
Number cases dismissal,	23,836	29,276	decrease	5,440

PRIVATE AND PAROCHIAL SCHOOLS.

	1898.	1897.	
Enrollment of pupils,	3,499	4,074	decrease 575
Average number belonging,	2,941	3,430	decrease 489
Average daily attendance,	2,649	3,142	decrease 493
Per cent. of daily attendance,	90	91.5	decrease 1.5

PUBLIC, PRIVATE AND PAROCHIAL SCHOOLS.

	1898.	1897.	
Enrollment of pupils,	12,639	12,745	decrease 106
Average number belonging,	10,431	10,511	decrease 80
Average daily attendance,	9,615	9,742	decrease 127
Per cent. of daily attendance,	92.1	92.6	decrease .5

COST OF INSTRUCTION PER SCHOLAR BY SCHOOLS.

In this connection, the cost of instruction per scholar is based upon the average number belonging to each school during the year, and the amount expended for the hire of teachers, fuel, care of schoolhouses, books and supplies, (except those furnished from the income of the Sylvia Ann Howland fund and Dog fund,) the term, "care of schoolhouses" including only the salaries of janitors.

Elsewhere in the report is given the cost, by departments, of each pupil, based on the average number belonging and the total amount expended for the maintenance of each department during the year. This last computation furnishes the basis upon which tuition of non-residents will be collected.

TABLE I. The cost of maintenance of a pupil in the High School for the year has been \$62.92.

Grammar Department:

Fifth Street,	\$25.92
Middle Street,	27.25
Parker Street,	24.57
Phillips Avenue,	18.89
Thompson Street,	18.12
William H. Taylor,	14.39
Harrington Normal and Training School,	26.44

Primary Department :

Acushnet Avenue,	\$17.26
I. W. Benjamin,	14.79
Cedar Street,	18.76
Cedar Grove Street,	17.22
Clark Street,	15.75
Cannonville.	18.66
Dartmouth Street,	19.26
George H. Dunbar,	19.45
Thomas A. Greene,	16.03
Sylvia Ann Howland,	22.99
Merrimac Street,	17.49
Phillips Avenue,	21.00
William H. Taylor,	8.61
Mary B. White,	19.93

Ungraded Schools :

Acushnet,	27.64
North,	29.85
Plainville.	53.76
Rockdale.	34.31
North Mill,	30.73
South Mill,	19.30

Evening Schools :

Cedar Grove Street,	4.30
Fifth Street,	4.76
Parker Street,	4.44
Phillips Avenue,	5.75
Thompson Street,	3.54
Evening Drawing,	12.31

The average cost of a	
Grammar school pupil was	23.07
Primary school pupil was	17.11
Training school pupil was	26.44
Ungraded school pupil was	31.51
Mill school pupil was	23.81
Elementary evening school pupil was	4.36
Evening drawing school pupil was	12.31
Day school pupil was	21.77

TABLE II. The average cost per pupil by departments, based on the average number belonging and the total expenditures for each department, not including the expenditures from Howland fund or Dog fund, was as follows :

High school,	\$70.46
Harrington Normal and Training school,	43.31
Grammar schools,	26.24
Primary schools,	18.96
Ungraded schools,	33.63
Evening elementary schools,	5.34
Evening drawing school,	16.83
Average cost of a day school pupil,	26.03
Average cost of an evening school pupil, including drawing school,	5.89

RECEIPTS AND EXPENDITURES FOR 1898.

RECEIPTS.

General and special appropriations as follows :

For teachers' salaries,	\$136,061.00
For Incidentals (including salaries of officers, janitors, books, supplies, etc.),	51,559.00
For Repairs of buildings,	14,947.00
For George H. Dunbar school (balance of special appropriation),	52.68
For Kindergartens (special appropriation),	6,746.71
	\$209,366.39

EXPENDITURES.

For teachers' salaries :

Day schools,	\$131,528.11
Evening schools,	4,787.50
	\$136,315.61
For salaries: Superintendent, clerks, truant officers and janitors,	22,962.95
For Books and supplies,	8,976.19
For Lighting,	1,235.32
For Fuel,	8,413.29
For Cooking school,	202.16
For Manual Training school,	164.01
For Miscellaneous expenses (including rent of rooms, janitors' supplies, school furniture, etc.),	10,605.49
	52,559.41

For Repairs of buildings,	14,606.02
For George H. Dunbar school (special),	52.68
For Kindergartens (special),	3,345.64

\$206,879.36

Summary :

Receipts,	\$209,366.39
Expenditures,	206,879.36

Balance, \$2,487.03

DOG FUND.

Balance, Jan. 1, 1898,	\$2,678.31
Received, Feb., 1898,	1,340.42

\$4,018.73

Expenditures during 1898, 4,018.73

RECEIVED.

From non-resident pupils,	\$1,061.51
Sale of books and supplies,	36.78
Sale of old carpets, screens, etc.,	13.51

\$1,111.80

The above receipts have been turned into the City Treasury, and credited to unappropriated funds.

EXPENDITURES BY DEPARTMENTS.

High School :

Salaries,	\$18,389.99	
Text books,	827.21	
Stationery,	1,853.64	
Janitors' salaries,	1,000.04	
Fuel,	698.15	
Ordinary repairs,	493.39	
Proportion of ordinary expenses,	1,593.75	\$24,856.17
Books and supplies from income of Howland fund,		210.69

Harrington Normal and Training school :

Salaries,	\$7,505.26	
Text books,	95.70	
Stationery,	161.70	
Janitors' salaries,	800.24	
Fuel,	629.30	
Ordinary repairs,	4,996.27	
Proportion of ordinary expenses,	875.33	\$15,063.80
Books and supplies from income of Howland fund,		123.86

Grammar schools :

Salaries,	\$37,237.08	
Text books,	1,970.57	
Stationery,	1,140.62	
Janitors' salaries,	3,195.29	
Fuel,	1,683.57	
Ordinary repairs,	2,197.26	
Proportion of ordinary expenses,	4,305.34	\$51,729.73
Books and supplies from income of Howland fund,		678.30

Primary schools :

Salaries,	\$61,457.40	
Text books,	876.06	
Stationery,	1,229.91	
Janitors' salaries,	8,450.38	
Fuel,	4,783.47	
Ordinary repairs,	5,176.80	
Proportion of ordinary expenses,	9,876.44	\$91,850.46
Books and supplies from income of Howland fund,		1,483.91

Ungraded schools :

Salaries,	\$7,553.38	
Text books,	265.32	
Stationery,	145.59	
Janitors' salaries,	1,015.36	
Fuel,	313.31	
Ordinary repairs,	597.23	
Proportion of ordinary expenses,	1,116.84	\$11,007.03
Books and supplies from income of Howland fund,		175.92

Manual Training (Sloyd) school :

Salary,	\$1,435.00	
Supplies,	164.01	
Proportion of ordinary expenses,	150.00	\$1,749.01
Books and supplies from income of Howland fund,		5.00

Cooking school :

Salary,	\$582.50	
Supplies,	202.16	
Proportion of ordinary expenses,	150.00	\$934.66
Books and supplies from income of Howland fund,		12.42

Evening Elementary schools :

Salaries,	\$4,288.00	
Text books,	151.90	
Stationery,	29.40	

Janitors' salaries,	438.50	
Lighting,	564.00	
Proportion of ordinary expenses,	179.61	\$5,651.41

Evening Drawing school :

Salaries,	\$499.50	
Stationery,	25.30	
Janitors' salaries,	66.00	
Lighting,	160.88	
Proportion of ordinary expenses,	15.93	\$767.61

SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand, Jan. 1, 1898,	\$406.04
Interest for the year,	3,000.00
	\$3,406.04
Expenditures for the year,	3,356.41
Balance Jan. 1, 1899,	\$49.63
Cost of books and supplies during 1898,	\$3,356.41
Cost of books and supplies in stock Jan. 1, 1898,	118.05
	\$3,474.46
Cost of books and supplies charged to schools, 1898,	\$3,211.10
Cost of books and supplies in stock Jan. 1, 1899,	263.36
	\$3,474.46

Disbursements to the several schools, and otherwise,
are as follows :

High school,	\$210.69
Fifth Street Grammar school,	148.12
Middle Street Grammar school,	93.29
Parker Street Grammar school,	149.41
Phillips Avenue school,	260.32
Thompson Street Grammar school,	157.32
Harrington Normal and Training school,	123.86
Acushnet Avenue Primary school,	96.14
I. W. Benjamin Primary school,	273.70
Cedar Grove Street Primary school,	111.90
Cedar Street Primary school,	75.79
Clark Street Primary school,	83.04
Cannonville Primary school,	41.43
Dartmouth Street Primary school,	113.02
George H. Dunbar Primary school,	145.42

Thomas A. Greene Primary school,	53.67
Sylvia Ann Howland Primary school,	58.16
Merrimac Street Primary school,	57.02
William H. Taylor school,	189.10
Mary B. White Primary school,	55.36
Acushnet school,	83.63
North school,	7.41
Plainville school,	10.30
Rockdale school,	19.22
North Mill school,	29.22
South Mill school,	26.14
Manual Training school,	5.00
Cooking school,	12.42
Office,	2.50
Care of pianos and organs,	379.75
Sewing materials,	123.21
Pedagogical library,	.40
Miscellaneous,	15.14
Stock on hand Jan. 1, 1899,	263.36
	\$3,474.46

DETAILED STATEMENT.

Outlay of the School Committee from the income of the Sylvia Ann Howland fund, from Dec. 4, 1897, to Dec. 5, 1898.

BOOKS AND PERIODICALS.

The American Book Co.,	\$461.76
Boston School Supply Co.,	3.60
Babb, Edw. E. & Co.,	26.59
The Century Co.,	12.50
Castor, T. H. & Co.,	5.86
Clarke, W. B. & Co.,	4.00
Draper, Warren F.,	1.09
Educational Publishing Co.,	85.04
Ginn and Company,	479.33
Graff, Chas. E.,	1.20
Hammett, J. L. Co.,	68.70
Houghton, Mifflin & Co.,	144.82
Harper and Bros.,	12.00
Heath, D. C. & Co.,	59.34
Hough, Romeyn B.,	5.00
Hutchinson, H. S. & Co.,	52.61
Hicks, Louis,	9.50

Home Science Pub. Co.,	3.92	
Innman, H. S.,	74.80	
Leach, Shewell and Sanborn,	4.38	
Lee and Shepard,	16.54	
Mason, Perry & Co.,	88.65	
Miller, Samuel,	7.50	
Mass. Society for Prevention of Cruelty to Animals,	.50	
The Morse Co.,	46.20	
N. E. Publishing Co.,	2.90	
The Prang Educational Co.,	.40	
Silver Burdett Co.,	59.93	
Scribner, Charles's Sons,	35.22	
Sever, Chas. W. & Co.,	2.10	
Taber, Robert W.,	32.20	
University Publishing Co.,	14.08	
Werner School Book Co.,	20.68	
Ware, Wm. & Co.,	14.70	
Wiley & Sons, John,	2.40	
Walworth & Co.,	1.00	\$1,861.04

PEDAGOGICAL LIBRARY.

Crowell and Co., Thomas Y.,	.40	.40
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MUSIC DEPARTMENT.

Ditson Co., Oliver,	\$16.00	
Ginn and Company,	48.19	
Haynes & Co., John C.,	10.80	
Peirce, George,	442.95	
Silver, Burdett & Co.,	15.00	532.94

BINDING AND COVERING BOOKS.

Briggs & Lawrence,	\$.60	
Collins & Co., Williston H.,	28.10	
Holden Patent Book Cover Co.,	283.05	311.75

PRIMARY DEPARTMENT.

Perry & Co., Geo. S.,	\$237.02	
The Peabody Union,	6.00	243.02

APPARATUS.

Jones, Winthrop B.,	\$26.50	
Perry & Co., Geo. S.,	45.50	
Richards, Geo. D.,	2.94	74.94

SEWING DEPARTMENT.

Anthony, E. & Sons,	\$5.12	
Town of Brookline.	20.00	
Diman, N. B.,	2.16	
Donovan, M. E.,	.60	
Hayes, N. P.,	47.40	
Haskell & Tripp,	45.33	
Spare, John V.,	1.00	
Sherman, R. A.,	1.00	
Taber, Robert W.	.60	
Winegar, S. P.	36.00	\$159.21

MISCELLANEOUS.

The American Book Co.,	\$.34	
Briggs & Lawrence,	5.00	
Castor, T. H. & Co.,	.13	
Crowell, Thos. Y. & Co.,	.10	
Crowell, E. N.	5.00	
Ditson Co., Oliver	.30	
Heath, D. C. & Co.,	12.56	
Houghton, Mifflin & Co.,	.19	
Hammett, J. L. & Co.,	103.00	
Hutchinson, H. S. & Co.,	.50	
Hillman, Washburn & Co.,	.50	
Hatch, Wm. E.	3.36	
Leach, Shewell & Sanborn,	.09	
Mason, Perry & Co.,	.06	
Prang Educational Co.,	.06	
Perry, E. M.	.31	
Scribner, Chas.'s Sons,	.14	
Taber, Robert W.	3.45	
Thompson, A. T. & Co.,	37.60	
University Publishing Co.,	.12	
Wiley & Sons, John	.18	
Walworth & Co.,	.12	173.11
		\$3,356.41

TEXT BOOKS AND SUPPLIES.

STATEMENT.

Cost of books and supplies purchased during 1898,	\$8,976.19
Cost of books and supplies in stock Jan. 1, 1898,	2,339.57
	\$11,315.76

Cost of books and supplies charged to schools in 1898,	\$8,799.49
Cost of books and supplies in stock Jan. 1, 1899,	2,479.49
Cash receipts from the sale of books and supplies,	36.78
	<u>\$11,315.76</u>

The cost in detail of books and supplies furnished the several schools for the year 1898 is as follows :

	Supplies.	Books.	Total.
High school,	\$1,853.64	\$827.21	\$2,680.85
Fifth Street Grammar school,	255.59	576.42	832.01
Middle Street Grammar school,	253.94	370.87	624.81
Parker Street Grammar school,	268.10	471.63	739.73
Thompson Street Grammar school,	218.74	392.39	611.13
Phillips Avenue school,	235.06	149.51	384.57
Acushnet Avenue Primary school,	68.75	77.49	146.24
I. W. Benjamin Primary school,	162.96	99.80	262.76
Cedar Street Primary school,	82.32	39.77	122.09
Cedar Grove Street Primary school,	177.59	99.91	277.50
Clark Street Primary school,	98.01	54.79	152.80
Cannonville Primary school,	23.04	14.75	37.79
Dartmouth Street Primary school,	73.97	35.52	109.49
George H. Dunbar Primary school,	98.66	63.71	162.37
Thomas A. Greene Primary school,	88.81	66.04	154.85
Sylvia Ann Howland Primary school,	61.34	35.15	96.49
Merrimac Street Primary school,	74.78	34.73	109.51
William H. Taylor school,	80.14	245.38	325.52
Mary B. White Primary school,	48.73	18.77	67.50
Harrington Normal and Training school,	161.70	95.70	257.40
North Mill school,	17.46	28.84	46.30
South Mill school,	5.15	62.84	67.99
Acushnet school,	51.93	68.92	120.85
North school,	34.72	66.34	101.06
Plainville school,	18.07	18.99	37.06
Rockdale school,	18.26	19.39	37.65
Cedar Grove Steeet Evening school,	10.08	42.81	52.89
Parker Street Evening school,	5.38	46.12	51.50
Phillips Avenue Evening school,	1.62	12.75	14.37
Fifth Street Evening school,	7.05	43.15	50.20
Thompson Street Evening school,	5.27	7.07	12.34
Evening Drawing school,	25.30		25.30
Cooking school,	4.20		4.20
Manual Training school,	3.08		3.08
Sewing Department,	.11		.11
Drawing Department,	5.40	7.68	13.08
Office,	6.10		6.10
Total,	<u>\$4,605.05</u>	<u>\$4,194.44</u>	<u>\$8,799.49</u>

The average cost per pupil in the different departments of the schools, for text-books and supplies, has been as follows :

High school,	\$7.59
Harrington Normal and Training school,	.74
Grammar schools,	1.58
Primary schools,	.47
Country schools,	1.51
Mill schools,	.86
Average for day schools,	1.11
Average for evening schools,	.16
Average for evening drawing school,	.52

These figures do not show the actual cost per pupil for text-books and supplies, but the expenditure per pupil from amount raised by taxation. All musical instruments, supplementary readers, reference books, and certain kinds of apparatus are purchased from the income of the Sylvia Ann Howland fund. The actual cost per pupil for text-books and supplies used in instruction, would, therefore, be the above figures, increased by the amount per pupil expended from the income of the trust fund.

REMARKS ON THE SCHOOL CENSUS.

The reports of the school census canvassers show a decrease of three hundred thirty children in the city between the ages of five and fifteen. The census was taken in May. The report from the schools made in December shows an increase in the schools for the year of 409 pupils. While the census would indicate a falling off in population at that time, the increased attendance for the year would seem to show that there had not been. It is difficult to say which indication is right as many children may have come into the schools from other schools in the city. Again it is said that there was quite an exodus in April to Canada owing to the war scare and dullness in

business. It may be that an error was made by some census taker; but I am inclined to think not, for all who took the census were careful, painstaking persons and had had experience. I think the time for taking the census was an unfortunate one to give good returns; I believe also that a number of children who had been attending other schools in the city came into the schools the past year for different reasons. The time for taking the census has by the statutes of 1898 been changed from the first of May to the first of September. This is a much better time to take it because it gives the number of children in the cities and towns at the time the schools open, and this will be more of an aid in securing good attendance than if taken in May.

EXPENDITURES.

The expenditures of the department for the year was \$206,879.36 as against \$181,249.63, an increase of \$25,629.73. This large increase needs special explanation. There was more money spent in the fiscal year of 1898 than in 1897, but the fiscal year was five weeks longer on "Pay of Teachers Account" and one month longer on the others. Reference to the report of last year will show that the change of the fiscal year, making it close December 5th, caused the expenditure account to be made up for eleven months. For purposes of comparison with a normal year there should be added to \$181,249.63, \$16,477.23 for an additional month, making it \$197,726.86 had it been a year of normal length. There should be deducted also from the amount expended in 1898, which was \$206,879.36, the sum of \$3,470.73 for the extra week of pay of teachers. This would give \$203,408.63. The difference between these amounts would be \$5,682.28, which would represent the actual increase in expenditure had both years been normal years. There

was less money spent in 1898 than in 1897 for repairs of buildings and comparatively nothing in fitting up new schoolhouses. The increase was in pay of teachers, in kindergartens, (which were held six months longer than the previous year), and in text-books and supplies.

Each year more pupils have been enrolled in the schools and more teachers are required. This of course adds to the expenditures. Few salaries were raised during the year and those only for small amounts. The aggregate for all would not amount to more than a few hundred dollars. The schools of the city are not costing as much as those of most cities of our size and valuation that are giving the same advantages.

Respectfully submitted,

WM. E. HATCH,

Secretary.

AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

HIGH SCHOOL.

Senior.		Sub-Senior.		Junior.		Sub-Junior.		Average Age.
Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs. Mos.
18	5	17	1	16	1	15		16 7 $\frac{3}{4}$

GRAMMAR DEPARTMENT.

SCHOOL.	Fifth Year.	Sixth Year.	Seventh Year.	Eighth Year.	Ninth Year.	Average Age.
	Yrs.Mos	Yrs.Mos	Yrs.Mos	Yrs.Mos	Yrs.Mos	Yrs.Mos
Fifth street,	11 7 $\frac{1}{2}$	12 3 $\frac{1}{2}$	13 2	13 10	14 4	
Middle street,	11 10 $\frac{1}{2}$	12 5	13 2 $\frac{1}{2}$	14 3	14 9	
Parker street,	11 8	12 5	12 9	14 6	14 4	
Thompson street,	11 10	12 5	13 3			
Phillips avenue,	12 9	13 1	14 2			
William H. Taylor,	11 9	12 1	13 2			
Harrington Normal and Training,	11 4	12 9				
Ave. age by grades,	11 10	12 5 $\frac{3}{4}$	13 3 $\frac{5}{12}$	14 2 $\frac{1}{3}$	14 5 $\frac{2}{3}$	13 3 $\frac{1}{15}$

AVERAGE AGE OF PUPILS IN VARIOUS GRADES.

PRIMARY DEPARTMENT.

SCHOOL.	First Year.		Second Year.		Third Year.		Fourth Year.		Average Age.	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
William H. Taylor.	5	11	7	5	9	2	11	5		
Harrington Normal and Training,	6	1	7	6	8	11	10	5		
Acushnet avenue,	7	6	8	8	10	3	11	1		
I. W. Benjamin,	6	6	8	3	9	7	10	11		
Cedar Grove street,	7		8	9	10	9	11	11		
Cedar street,	6	4	7	9	8	10	10	3		
Clark street,	6	9	8	2	9	7	10	9		
Cannonville,	6	9	8	3	9	3	10	3		
Dartmouth street,	6	5	7	7	9	1	10	4		
George H. Dunbar,	7	2	9	4	10	1	11	5		
Thomas A. Greene,	7	5	8	7	9	11	10	8		
Sylvia Ann Howland,	6	11	8		9	4	10	6		
Merrimac street,	7		8	11	9	6	11	6		
Phillips avenue,	6	7	9	3	10	6	11	10		
Mary B. White,	6	8	8	3	9		10	8		
Average age by grades,	6	8 $\frac{4}{5}$	8	3 $\frac{11}{15}$	9	7	10	11 $\frac{2}{15}$	8	10 $\frac{2}{3}$

UNGRADED SCHOOLS.

SCHOOL.	Grammar Department.		Primary Department.		Average Age	
	Yrs.	Mos.	Yrs.	Mos.	Yrs.	Mos.
Acushnet,	12	6	9	3		
North,	12	6		8		
Plainville,	12	6	6	6		
Rockdale,	11	7	7	6		
North Mill,	13	9	13	5		
South Mill,	14		14			
Average age by departments,	12	9 $\frac{2}{3}$	9	9 $\frac{1}{3}$	11	3 $\frac{1}{2}$

KINDERGARTENS.

SCHOOL.	Yrs.	Mos.	
North,	4	10	
Harrington,	4	10	
South,	4	6	
Average age,	4	8 $\frac{2}{3}$	

DEPARTMENT OF PUBLIC SCHOOLS.

REPORT FOR YEAR BEGINNING JANUARY 3, 1898, ENDING DECEMBER 23, 1898.

NAME OF SCHOOL.	Total enrollment for year.		Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	No. cases of truancy.	No. cases of corporal punishment.	Half days teacher was absent.	Times teacher was tardy.	No. visits by Superintendent.	No. visits by members committee.	No. visits by parents and others.	Suspensions.
	Boys.	Girls.														
The High.	180	308	353	341	96.5	2,423	1,263	349	1		14	34	37	18	50	
Harrington Training.	164	168	348	328	94.0	7,563	562	162	1	49	130	15	31	38	519	1
Fifth Street Grammar.	261	272	423	403	95.3	8,073	888	917	17	47	21	14	57	53	669	
Middle Street Grammar.	245	229	385	363	94.4	8,661	948	756	23	46	36	16	25	22	272	2
Packer Street Grammar.	313	354	484	471	97.2	5,236	729	515	10	14	14	12	47	29	648	
Thompson Street Grammar.	269	256	417	392	94.0	8,714	198	136	17	45	15		44	28	277	
Phillips Avenue Grammar.	122	134	186	176	94.6	3,319	145	77	2	7	7		24	28	199	
	1,210	1,245	1,805	1,805	95.2	34,003	2,908	2,403	69	159	93	42	197	160	2,065	2
Acushnet Avenue Primary.	218	238	455	422	93.0	13,788	1,136	1,538	7	68	12		14	11	28	1
I. W. Benjamin Primary	427	404	776	704	90.7	23,314	820	7,005	21	67	65		25	33	186	
Cedar Grove Street Primary.	441	469	631	583	92.5	17,632	506	5,511	53	97	80	9	47	73	210	
Cedar Street Primary.	148	180	286	266	93.7	7,286	388	238	3	15	17		14	23	176	
Clark Street Primary.	214	212	406	372	91.5	11,899	815	121	7	47	79	4	17	27	100	
Cannonville Primary.	61	45	78	70	90.2	3,063	338	65			1		2	8	27	
Dartmouth Street Primary.	157	173	277	260	93.7	6,861	412	179	4	71	99		18	7	177	
George H. Dunbar Primary.	180	156	280	257	91.6	9,255	269	1,430	15	36	46	5	23	10	47	
Thomas A. Greene Primary.	226	217	413	375	90.9	12,431	1,167	347	28	49	19	8	43	14	111	

Sylvia Ann Howland Primary.	109	104	168	154	91.1	7,008	407	165	15	46	24	1	15	10	90
Merrimac Street Primary.	155	140	249	225	90.0	9,037	496	2,453	2	29	16	2	17	8	44
Phillips Avenue Primary.	110	93	147	147	93.6	4,072	217	664	5	9	18		9	10	33
Mary B. White Primary.	112	91	165	153	92.5	4,990	285	204	16	72	6	2	9	14	200
	2,558	2,522	4,341	3,988	91.8	130,566	7,456	19,920	177	613	482	38	283	248	1,429
North Mill School.	77	66	52	47	90.4	1,980	384	48	31	39	8	6	3	9	
South Mill School.	131	66	80	73	91.8	2,579	91	37	10	41	36		6	5	52
	208	132	132	120	90.9	4,559	475	85	41	80	41	6	9	14	52
Aeushnet School.	42	59	94	84	89.8	3,786	259	48	10			1	3	12	41
William H. Taylor School.	121	94	225	208	92.8	2,712	163	703	2	5	13	2	16	31	207
North School.	34	23	48	45	92.5	1,809	189	40		2	13		2	3	8
Plainville School.	8	15	15	13	86.6	430	51	40		3	7	3	2	4	4
Rockdale School.	21	35	39	34	87.9	1,935	120	86		2	1	4	1	8	45
	226	219	421	384	91.2	10,172	782	917	12	12	34	10	24	58	305
	9,140														
GRAND TOTALS,	1898	4,546	4,594	7,490	93.0	189,286	13,446	23,836	301	913	797	145	551	536	4,421
	1897	4,407	4,264	7,081	93.2	173,014	12,361	29,276	272	1,056	749	116	530	568	3,521
		+139	+330	+409	-2	+16,272	+1,085	-5,440	+29	-143	+48	+29	+21	-32	+900
															+1

DEPARTMENT OF PUBLIC SCHOOLS.

MANUAL TRAINING SCHOOL. REPORT FOR YEAR BEGINNING JANUARY 3, 1898,
ENDING DECEMBER 23, 1898.

NAME OF TEACHER.	Total enrollment for year.		Average No. belonging.	Average attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	No. visits by Superintendent.	No. visits by members committee.
	Boys.	Girls.								
Edwin R. King.	690		413	339	96.6	278	40	19	4	13

DEPARTMENT OF PUBLIC SCHOOLS.

COOKING SCHOOL. REPORT FOR YEAR BEGINNING JANUARY 3, 1898, ENDING
DECEMBER 23, 1898.

NAME OF TEACHER.	Total enrollment for year.		Average No. belonging.	Average attendance.	Per cent. of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	Half days teacher was absent.	No. visits by Superintendent.	No. visits by members committee.
	Boys.	Girls.									
Jan. 3 to July 2—S. Agnes Donham. Sept. 6 to Dec 23—Elizabeth C. Sprague.	553		283	264	93.2	381	53	8	4	7	14

DEPARTMENT OF PUBLIC SCHOOLS.

KINDERGARTENS. REPORT FOR YEAR BEGINNING JANUARY 3, 1898, ENDING
DECEMBER 23, 1898.

NAME OF SCHOOL.	Total enrollment for year.		Average No. belonging.	Average daily attendance.	Percent of attendance.	Total half days absence.	No. cases of tardiness.	No. cases of dismissal.	Half days teacher was absent.	Times teacher was tardy.	No. visits by Superintendent.	No. visits by members committee.
	Boys.	Girls.										
Cedar Grove Street Kindergarten.	30	28	37	31	84.5	1,141	141	3	1	3	7	17
Harrington Kindergarten.	27	25	38	33	87.1	925	85	1	34	3	3	8
South Kindergarten.	69	65	47	41	86.3	1,297	186				3	2
TOTAL.	126	118	122	105	86.0	3,363	412	4	35	3	13	27

DEPARTMENT OF PUBLIC SCHOOLS.
EVENING DRAWING SCHOOL. REPORT FOR YEAR BEGINNING
JANUARY 3, 1898, ENDING DECEMBER 23, 1898.

	Total enrollment for year.		Average No. belonging.	Average night-attendance.	Per cent. of attendance.	Total nights absence.	Nights teacher was absent.
	Boys.	Girls.					
Year 1896.	97	10	48	39	81.0	389	
	107						
Year 1897.	89	18	41	31	75.5	372	2

PAROCHIAL AND PRIVATE SCHOOLS.

REPORT FOR YEAR BEGINNING JANUARY 3, 1898, ENDING DECEMBER 23, 1898.

NAME OF SCHOOL.	Total enrollment for year.		Average No. belonging.	Average daily attendance.	Per cent. of attendance.	Under 5 years.	Between 5 and 8 years.	Between 8 and 14 years.	Between 14 and 16 years.	Between 16 and 18 years.	Over 16 years.
	Boys.	Girls.									
St. Joseph's Parochial.	439	435	737	690	93.6		385	238	78	12	24
St. Mary's Parochial.	252	275	470	432	91.9		220	232	11	4	1
St. Mary's Home.	41	30	71	71	100.		20	51			
Sacred Heart Parochial.	374	357	631	581	92.	4	250	464	7	4	2
Guardian Angel Parochial.	86	78	125	95	76.	15	80	69			
St. Anthony's Parochial.	225	195	350	332	94.8		71	334	11	4	
St. Hyacinth Parochial.	225	213	333	254	75.8	4	112	216	2	1	25
C. E. E. Mosher's Home School.	27	21	39	36	93.				9	5	
Almwell School.	9	19	15	14	93.3	1	7	15	3	2	
Miss Leonard's.	16	8	18	14	77.7		4	11			
Miss Bonney's.	17	15	24	18	75.	10	16	10	2		
Miss Gardner's.	28	11	34	29	85.		11	11			
Mrs. E. E. Waite's.	12	26	30	24	80.		12	12			
The Friends' Academy.	23	52	62	59	95.			38	15	7	2
	3,499										
GRAND TOTALS.	1,764	1,735	2,941	2,649	90.	34	1,188	1,699	138	39	54

NEW BEDFORD PUBLIC SCHOOLS.

RATES OF TUITION FOR NON-RESIDENT PUPILS, 1898.

	First Term.	Second Term.	Third Term.	For the Year.
High school,	\$21.14	\$21.14	\$28.18	\$70.46
Grammar schools,	7.87	7.87	10.50	26.24
Primary schools,	5.69	5.69	7.58	18.96
Harrington Normal and Training school,	13.00	13.00	17.31	43.31
Ungraded schools,	10.09	10.09	13.45	33.63
Evening Drawing school,	5.05	5.05	6.73	16.83

DEPARTMENT OF PUBLIC SCHOOLS.

BRIEF DESCRIPTION OF THE SCHOOLHOUSES, WITH THEIR
ACCOMMODATIONS AND CONDITIONS.

	SCHOOLS.	NAMED FOR.	Material.	Number of Stories.			Number of Seats.	Year Completed.	Condition.
				Number of School rooms.	No. of Recitation rooms.	No. of Assembly halls.			
1	Acushnet.	Avenue.	Brick.	2	10		490	1878	Good.
2	Acushnet.	Location.	Wood.	2	3		115	1889	Good.
3	I. W. Benjamin.	Isaac W. Benjamin.	Brick.	3	12		591	1891	Good.
4	Cedar.	Street.	Wood.	2	6		294		Good.
5	Cedar Grove.	Street.	Brick.	3	15		704	1883	Good.
6	Clark.	Street.	Brick.	2	8		432	1897	Good.
7	Cannonville.	Location.	Wood.	2	2		89	1853	Fair.
8	G. H. Dunbar.	George H. Dunbar.	Brick.	2	2		390	1897	Good.
9	Dartmouth.	Street.	Wood.	2	8		392	1855	Good.
10	Fifth.	Street.	Brick.	3	10	1	490	1860	Good.
11	Thomas A. Greene.	Thomas A. Greene.	Brick.	2	10		463	1894	Good.
12	High.	Grades.	Brick.	3	10	4	381	1876	Good.
13	Harrington Memorial	Henry F. Harrington.	Brick.	3	10	1	386	1889	Good.
14	Sylvia Ann Howland.	Sylvia Ann Howland.	Brick.	3	7		245	1893	Good.
15	Linden.	Street.	Wood.	2	4		122		Old.
16	Middle.	Street.	Brick.	3	9	1	437	1844	Good.
17	Merrimac.	Street.	Brick.	2	6		277	1857	Good.
18	North.	Location.	Wood.	1	2		77	1852	Good.
19	Parker.	Street.	Brick.	3	12	1	579	1852	Good.
20	Phillips.	Avenue.	Brick.	2	8		358	1897	Good.
21	Plainville.	Location.	Wood.	1	1		39		Fair.
22	Rockdale.	Location.	Wood.	1	2		58	1855	Fair.
23	Thompson.	Street.	Brick.	3	10		477	1885	Good.
24	William H. Taylor.	William H. Taylor.	Brick.	2	8		244	1898	Good.
25	Mary B. White.	Mary B. White.	Brick.	2	4		195	1881	Good.

RULES GOVERNING TEACHERS' SALARIES.

	Maximum.	Minimum.
Principal of High school,	\$2,750	
Sub-master of High school,	1,600	
Science teacher of High school,	1,600	
Classics and Science teacher,	1,600	
Teacher of commercial course, High school,	1,500	
Lady assistants of High school,	900-1,000	\$650
Military instructor of High school,	300	
Principals of complete Grammar schools,	1,900	
Principals of partial Grammar schools,	1,200	
Principals' assistants of Grammar schools,	675	
Assistants of Grammar schools,	600	425
Principals of Primary schools,	600-900	
Assistants of Primary schools,	550	375
Principal of Training school,	1,700	
Vice Principal of Training school,	1,100	
Senior in Training school,	4.00 per week.	
Ungraded schools,	400-700	
Principals of Evening schools,	3.00 to 4.50 per night.	
Assistants of Evening schools,	1.50 per night.	
Supervisor of Drawing,	1,500	
Supervisor of Music,	1,900	
Teacher of Sewing,	550	
Cooking teacher,	500	
Manual Training teacher,	1,400	

The salary of a principal of a complete Grammar school, containing at least ten rooms and all the grades, is \$1,900 per annum. The salary of a principal of a partially developed Grammar school or a mixed Grammar and Primary school varies with the size of the school and experience of the principal. Maximum salary now made for such school is \$1,200.

The salary of a Primary school principal of a four-room building is \$600 per year, which is increased at the rate of \$25 for each additional room.

The salaries of assistant teachers in the High school are increased at the rate of \$50 per year until the maximum is reached.

The minimum yearly salary of a Grammar school assistant is fixed at \$425, and the yearly advance is \$25 per year until a yearly salary of \$500 is reached ; the annual increase is then \$50 per annum until the maximum (\$600) is reached. Principals' assistants only are paid \$675.

The minimum yearly salary of a Primary school assistant is fixed at \$375 and the yearly advance is \$25 per year until a yearly salary of \$450 is reached ; the annual increase is then \$50 per annum until the maximum (\$550) is reached.

CALENDAR, 1899.

Winter term begins Jan. 9, 1899; ends March 31, 1899.

Summer term begins April 10, 1899; ends June 30, 1899.

Fall term begins Sept. 5, 1899; ends Dec. 22, 1899.

VACATIONS.

April 1, 1899, to April 10, 1899.

July 1, 1899, to September 5, 1899.

December 23, 1899, to January 8, 1900.

HOLIDAYS.

Every Saturday; Washington's Birthday; Patriots' Day; Memorial Day; from Wednesday noon before Thanksgiving the remainder of the week.

SCHOOL SESSIONS.

Grammar, Manual Training and Mill schools: From March 1 to November 1, 9 A. M. to 11.45 A. M., 1.45 P. M. to 4 P. M.; from November 1 to March 1, 9 A. M. to 11.45 A. M., 1.30 P. M. to 3.45 P. M.

Primary schools: From March 1 to November 1, 9 A. M. to 12 M., 2 P. M. to 4 P. M.; from November 1 to March 1, 9 A. M. to 11.40 A. M. without recess, 1.30 P. M. to 3.30 P. M.

High school: 8.30 A. M. to 1.30 P. M., during the whole year.

Country schools: Sessions as prescribed by the Committee on Ungraded schools.

The signal for no session is two strokes of the fire alarm once repeated (2-2).

When given at 8.15 A. M. the morning session shall be omitted.

When given at 12.45 P. M. the afternoon session shall be omitted.

This regulation does not apply to the High school or to the Ungraded schools except those designated by the Board.

The no-session signal on stormy days shall not apply to the sessions of the Manual Training or the Cooking schools; and pupils attending those schools shall not be excused for non-attendance upon them on account of the no-session signal.

GRADUATING EXERCISES NEW BEDFORD HIGH SCHOOL.

JUNE 30, 1898.

Programme :

- | | | |
|-----|---|--|
| 1. | OVERTURE. Tadella. | Bendix. |
| | ORCHESTRA. | |
| 2. | PRAYER. | |
| | BY THE REV. JOHN A. MACCOLL. | |
| 3. | ORATION. Success. | |
| | HOWARD M. WOOD. | |
| 4. | CONCERT WALTZ. Ladies Fair. | Jansen. |
| | ORCHESTRA. | |
| 5. | ESSAY. (First Bourne Prize.) Trifles. | |
| | LULA B. ALLEN. | |
| 6. | GAVOTTE. Heart and Hand. | Tobani. |
| | ORCHESTRA. | |
| 7. | ESSAY. Books. | |
| | MYRA L. ALLEN. | |
| 8. | NATIONAL PATROL. Blue and Gray. | Zeigle. |
| | ORCHESTRA. | |
| 9. | PRESENTATION OF DIPLOMAS AND ADDRESS. | |
| | BY HON. F. A. MILLIKEN,
Chairman of High School Committee. | |
| 10. | CLASS SONG. | { Words by Leon C. Deane.
{ Music by Sarah D. Morton. |

Thoughts of parting now oppress us
 And like clouds in summer skies,
 Cast their shadows down before us,
 As we say our last good-byes.

Chorus.

So with one united cheer,
 Let us say our last farewell
 To the school we hold so dear,
 Where fond recollections dwell.

Progress with his lamp e'er burning,
 Offers now himself as guide,
 On that rough road paved with learning,
 Where success and fame abide.

Other roads are broad and fair,
 Yet our motto e'er will show,
 That the one that's fraught with care,
 Is the one where we must go.

But each care will seem a pleasure,
 When the thought of our reward,
 Our success, that priceless treasure,
 Spurs us on with one accord.

11. INTERMEZZO. National Airs. Gaune.
 ORCHESTRA.
 12. VALEDICTORY AND ESSAY. Cadet Companies.
 ROBERT E. BRIGGS.
 Presented by Leon C. Deane.
 13. MARCH. Bride Elect. Sousa.
 ORCHESTRA.

CLASS OF 1898.

Row, not Drift.

RECIPIENTS OF DIPLOMAS.

Regular Course.

Harrington Barlow,	Bessie Macy Coe,
Robert Everson Briggs,	Mary Gertrude Douglass,
Walter Matthews Butts,	Ida Martin Healey,
John Andrew Conniff,	Ivah Mehitable Hunt,
Leon Cushman Deane,	Lenora Chapman Jenney,
Robert Bryant Devoll,	Ada Gordon Longfield,
John Gibson,	Jessie Loughlin,
John Earl Russell,	Carrie Atkins Martin,
Meredith Newcomb Stiles,	Florence Belle Mitchell,
Charles Anthony Sylvia,	Sarah Delano Morton,
Howard Moody Wood,	Amelia Augusta Murray,
Myra Leonard Allen,	Ida Trafton Negus,
Ida Thomas Bennett,	Irena Miller Poole,
Alice Louise Bradford,	Bessie Lincoln Russell,
Ruth Slocum Bradford,	Gertrude Wilson Spooner,
Annie Isabelle Burt,	Charlotte Gertrude Tourtellot,
Annie Josephine Chase,	Florence Augusta Trull,
Alice Burgess Church,	Emma Florence Wood.

Commercial Course.

William Henry Wright Gidley,	Annie Luella McCabe,
Herbert Bernard Keneally,	Harry Arthur Seribner,
	Edith Mabel Thompson.

RECIPIENTS OF CERTIFICATES.

Regular Course.

Lula Bartlett Allen,	Grace Loveland Chase,
Lillian Mabel Webster Briggs,	Sara Elizabeth Swift.

Commercial Course.

Lawrence Edwin Bertram,	Kate Jenney Cole,
Charles Morris Ennis,	Lola May Phillips,
Thomas Nash White,	Florence Haskell Simms.

GRADUATING EXERCISES HARRINGTON NORMAL AND TRAINING SCHOOL.

DECEMBER 16, 1898.

Programme.

PRAYER.

CURRENT EVENTS IN ELEMENTARY SCHOOLS,

Miss Mary Eliza Boardman.

PRIMERS AND FIRST READERS,

Miss Mary Johnson Read.

THE VALUE OF MYTHS,

Miss Harriet Shaw Ashley.

PRESENTATION OF DIPLOMAS,

Mrs. Sylvia B. Knowlton,

Chairman Harrington Normal and Training School.

ADDRESS,

Mr. George H. Martin,

Supervisor of Schools, Boston.

Theses.

THE VALUE OF MYTHS,

Miss Ashley.

CURRENT EVENTS IN ELEMENTARY SCHOOLS,

Miss Boardman.

THE TEACHING OF PATRIOTISM,

Miss Corish.

EARLY TRACES OF MAN IN AMERICA,

Miss Higham.

THE STORY OF OUR CITY,

Miss Jones.

SOME USES OF LOCAL HISTORY,

Miss Meaney.

RECENT INVENTIONS AND DISCOVERIES IN SCIENCE,

Miss Norton.

MASSACHUSETTS SCHOOLS,—FIFTY YEARS AGO AND TODAY,

Miss Peckham.

PRIMERS AND FIRST READERS,

Miss Read.

TREES OF NEW BEDFORD,

Miss Smythe.

EDUCATIONAL HELPS FOR TEACHERS,

Miss Thorpe.

GRADUATES.

Harriet Shaw Ashley,

Mary Eliza Boardman,

Helen Loretta Corish,

Alice Earle Higham,

Carolyn Sanford Jones,

Rose Mary Meaney,

Hannah Elizabeth Norton,

Mary Emma Peckham,

Mary Johnson Read,

Minnie Helena Smythe,

Harriet Jennings Thorpe.

GRADUATING EXERCISES, GRAMMAR AND
UNGRADED SCHOOLS.

JUNE 29, 1898.

Programme.

PRAYER,

REV. EBEN TIRRELL.

SONG. Motette.

Klein.

RECITATION. Columbia's Banner.

Edna Dean Proctor.

MISS MARGARET CLEMENTINE GLEASON, Fifth Street School.

COMPOSITION. Wayside Rambles.

MISS MAY URSULA BRUCE, Middle Street School.

SONG. Over the Vale and Hill.

F. Huber.

COMPOSITION. The Pleasures of Memory.

MISS JULIA EDNA TIRRELL, Parker Street School.

PRESENTATION OF DIPLOMAS,

MR. ROBERT W. TABER, Chairman Committee on Grammar Schools.

DR. EDWARD T. TUCKER, Chairman Committee on Ungraded Schools.

ADDRESS,

MR. ANDREW INGRAHAM, Master Swain Free School.

SONG. America.

Music conducted by MR. F. H. BUTTERFIELD, Supervisor of Music.

SCHOOL BOARD, 1898.

CHARLES S. ASHLEY, Mayor, Chairman *ex-officio*.

ROBERT W. TABER, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

STEPHEN A. BROWNELL, President of Common Council, *ex-officio*.

Ward 1—J. Frank Weeks, Frank R. Pease, John H. Lowe.

Ward 2—Charles H. Holden, Frank A. Milliken, Edward T. Tucker.

Ward 3—Joseph A. Wright, William H. Pitman, Stephen H. Shepherd.

Ward 4—Ada W. Tillinghast, Sylvia B. Knowlton, George H. Batchelor.

Ward 5—Betsey B. Winslow, Edmund S. Rousmaniere, Robert W. Taber.

Ward 6—Arthur E. Buffington, Joseph C. Pothier, Clarence R. Sherman.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is Chairman of the same

On High School—Milliken, Pitman, Pothier, Winslow, Shepherd, Pease, Knowlton, Taber, Tillinghast, Rousmaniere.

On Grammar Schools—Taber, Pitman, Pothier, Milliken, Lowe, Knowlton, Shepherd, Tillinghast, Sherman, Winslow.

On Primary Schools—Shepherd, Winslow, Weeks, Tucker, Taber, Pothier, Tillinghast, Lowe, Pease.

On Ungraded Schools—Tucker, Holden, Pothier, Buffington, Sherman, Pease, Lowe, Wright.

On Training School—Knowlton, Milliken, Winslow, Buffington, Tillinghast, Batchelor, Rousmaniere.

On Truant School—Sherman, Tucker, Holden, Buffington.

On Evening Schools—Lowe, Knowlton, Sherman, Weeks, Tucker, Holden, Wright, Pease, Rousmaniere.

On Music—Batchelor, Shepherd, Knowlton, Holden, Rousmaniere.

On Manual Training—Pothier, Winslow, Batchelor, Tucker, Knowlton, Sherman, Lowe, Weeks, Pease.

On Examination of Teachers—Winslow, Knowlton, Batchelor, Rousmaniere, Tillinghast.

On Text-Books—Tillinghast, Milliken, Tucker, Pothier, Knowlton, Wright, Buffington.

On Expenditures—Taber, Pitman, Shepherd, Milliken, Pease, Sherman, Lowe, Wright, Pothier, Brownell.

On Howland Fund—Pitman, Taber, Milliken, Sherman, Weeks, Shepherd, Buffington, Pease, Brownell.

On Rules—Tucker, Sherman, Rousmaniere, Batchelor, Pothier.

SCHOOL BOARD, 1899.

CHARLES S. ASHLEY, Mayor, Chairman *ex-officio*.

ROBERT W. TABER, Vice-Chairman.

WILLIAM E. HATCH, Secretary and Superintendent.

Office, 166 William street.

Office Hours, 8.30 to 9 A. M., 12.30 to 1 P. M. Saturdays, 9 to 9.30 A. M.

JOHN L. G. MASON, President of the Common Council, *ex-officio*.

Regular meetings of the Board, first Monday of each month at 7.30 P. M., except in the months of January, August and September. In January and September the meetings will be held the *Tuesday* after the first Monday. In August no meeting will be held.

WARD ONE.		
<i>Name.</i>	<i>Place of Business.</i>	<i>Residence.</i>
John H. Lowe,		935 Acushnet avenue.
J. Frank Weeks,	Cor. Acushnet av. and Tarkiln Hill road	Cor. Acushnet av. and Tarkiln Hill road.
Frank R. Pease,	923 Acushnet avenue,	921 Acushnet avenue.

WARD TWO.		
Lewis E. Bentley,	Supt. Bennett Spin'g Co.	526 Purchase street.
Charles H. Holden,	327 Cedar street,	327 Cedar street.
Frank A. Milliken,	Masonic Building,	290 Pleasant street.

WARD THREE.		
John E. Gibbs,	Denison Bros. Co.,	149 Summer street.
Joseph A. Wright,	24 Pearl street,	369 Cottage street.
William H. Pitman,	Five Cents Savings Bk.,	60 Chestnut street.

WARD FOUR.		
Alex. McL. Goodspeed,	37 Purchase street,	20 Seventh street.
Ada W. Tillinghast,		37 Eighth street.
Sylvia B. Knowlton,		348 Union street.

WARD FIVE.		
Robert W. Taber,	28 Pleasant street,	48 Fifth street.
Betsey B. Winslow,		315 County street.
Edmund S. Rousmaniere,		372 County street.

WARD SIX.		
John F. Rogers,	100 Potomska street,	97 Acushnet avenue.
Arthur E. Buffington,	1 Crapo street.	27 Crapo street.
Joseph C. Pothier,	245 Fourth street,	247 Fourth street.

EMMA M. ALMY, Superintendent's Clerk.
 MARY C. POTTER, Assistant Clerk in Superintendent's Office.

HENRY SMITH, Truant Officer, 372 Cottage street.
 WILLIAM A. BAKER, Truant Officer, 213 Fourth street.
 Office Hours, 12.30 to 1 P. M. ; Saturdays, 9 to 9.30 A. M.

GEORGE K. DAMMON, Janitor and Messenger, 137 Smith street.

Office of Superintendent of Schools open from 8.30 A. M. to 4.30 P. M., except Saturdays. Saturdays from 9 A. M. to 11 A. M., 2 P. M. to 4 P. M.

STANDING COMMITTEES.

WILLIAM E. HATCH, Secretary.

The first named on each Standing Committee is Chairman of the same.

On High School—Milliken, Pitman, Pothier, Winslow, Pease, Knowlton, Taber, Tillinghast, Rousmaniere, Buffington.

On Grammar Schools—Taber, Pitman, Pothier, Milliken, Lowe, Knowlton, Tillinghast, Winslow, Buffington, Wright.

On Primary Schools and Kindergartens—Pothier, Winslow, Weeks, Taber, Tillinghast, Lowe, Pease, Knowlton, Gibbs.

On Ungraded and Evening Schools—Lowe, Weeks, Holden, Wright, Pease, Rousmaniere, Rogers, Bentley, Goodspeed, Gibbs.

On Normal and Training School and Examination of Teachers—Knowlton, Milliken, Winslow, Buffington, Tillinghast, Rousmaniere, Goodspeed.

On Truant School—Holden, Buffington, Rogers, Gibbs, Bentley.

On Manual Training and Music—Pothier, Winslow, Knowlton, Weeks, Holden, Rousmaniere, Pease, Rogers, Bentley.

On Text-books—Tillinghast, Milliken, Pothier, Knowlton, Wright, Buffington, Goodspeed.

On Expenditures—Taber, Pitman, Milliken, Pease, Lowe, Wright, Pothier, Weeks, Holden, Mason.

On Howland Fund—Pitman, Taber, Milliken, Weeks, Buffington, Lowe, Pothier, Bentley, Mason.

On Rules—Rousmaniere, Wright, Holden, Rogers, Gibbs.

Special Committee on Art—Pitman, Rousmaniere, Tillinghast, Winslow, Goodspeed.

APPROVED LIST OF TEXT-BOOKS TO BE
USED IN THE HIGH SCHOOL.

SCIENCE.

Remsen's Chemistry.
Allen's Laboratory Manual.
Packard's Zoology.
Youman's Botany.
Avery's Natural Philosophy.
Mill's Realm of Nature.
Pierce's Problems in Physics.
Gifford's Elementary Physics.
Avery's School Physics.
Stone's Experimental Physics.
Elementary Physics—Harvard College.

GEOGRAPHY.

Tilden's Commercial Geography.

PHYSIOLOGY AND HYGIENE.

Hutchison's Physiology and Hygiene.

MATHEMATICS.

Well's Academic Arithmetic.
Wentworth's School Algebra.
Wentworth's College Algebra.
Wentworth's New Plane Geometry.
Wentworth's Plane and Solid Geometry.
Wentworth's Trigonometry.

BOOKKEEPING AND STENOGRAPHY.

Meservey's Bookkeeping.
Meservey's Bookkeeping Blanks.
New Complete Bookkeeping, Williams and Rogers.
Barnes' Shorthand Manual.
Actual Guide to Business Practice, Ellis.
Munson's Art of Phonography.
Your Own Typewriter Instructor, Harper.
A. T. Hill's Commercial Law.

HISTORY.

Barnes' History of Ancient Peoples.
Swinton's Outlines World's History.
Lancaster's History of England.
Fiske's History of the United States.
Martin's Civil Government.
Myer's History of Greece.

Allen's Short History of the Roman People.
 Montgomery's Facts in English History.

ENGLISH.

Addison's The Sir Roger de Coverly Papers.
 Brook's English Literature.
 Bryant's Thanatopsis and Others. English Classic Series.
 Buehler's Practical Exercises in English Composition.
 Burke On American Taxation.
 Burke On Conciliation with America.
 Chaucer's Prologue to the Canterbury Tales.
 Church's Stories from the Iliad.
 Church's Stories from Virgil.
 Cooper's Last of the Mohicans.
 Carlyle and Hawthorne, Modern Classics.
 DeQuincey's Revolt of the Tartars.
 Dowden's Shakespeare.
 Dryden's Palamon and Arcite.
 Eliot's Silas Marner.
 Franklin's Autobiography.
 Hawthorne's House of the Seven Gables.
 D. J. Hill's Rhetoric and Composition.
 Holmes's The Chambered Nautilus.
 Irving's Sketch Book.
 Lewis' A First Book in Writing English.
 Lockwood's Lessons in English.
 Longfellow's Evangeline. Modern Classics.
 Longfellow's Tales of a Wayside Inn.
 Lowell's My Garden Acquaintance.
 Lowell's The Vision of Sir Launfal.
 Macaulay's Essays. Milton and Addison.
 Macaulay's Lays of Ancient Rome.
 Milton's Paradise Lost, Book I. Sprague.
 Palgrave's Golden Treasury.
 Pancoast's Introduction to American Literature.
 Pope's Iliad, Books I., VI., XXII., XXVI.
 Scott's Kenilworth.
 Scott's Lady of the Lake.
 Scott's Quentin Durward.
 Scott's Rob Roy.
 Scott's Lay of the Last Minstrel.
 Shakespeare's A Midsummer Night's Dream. (Rolfe edition.)
 Shakespeare's As You Like It, and Julius Cæsar. Vol. I. (Hudson edition.)
 Shakespeare's Hamlet. (Hudson notes.)

Shakespeare's Macbeth.
 Shakespeare's Merchant of Venice. (Hudson edition.)
 Shakespeare's Richard III.
 Southey's Life of Nelson.
 Southworth and Goddard's Elements of English Grammar.
 Spenser's Faerie Queen, First Canto.
 Swift's Gulliver's Travels. (Selections.)
 Tennyson's Elaine.
 Tennyson's Guinevere.
 Tennyson's The Coming and Passing of Arthur.
 Tennyson's The Princess.
 Thackeray's Vanity Fair.
 Underwood's American Authors.
 Underwood's British Authors.
 Webster's First Bunker Hill Oration.
 Whitney-Lockwood's English Grammar.

GERMAN.

Chamisso. Peter Schlemil's Wundersame Geschichte.
 Eichendorf's Aus dem Leben Eines Taugenichts.
 Freytag. Aus dem Staat Friedrich's des Grossen.
 Goethe's Hermann und Dorothea.
 Goethe's Dichtung und Wahrheit.
 Grimm's Haus Marchen.
 Harris's German Lessons.
 Heine. Die Harzreise.
 Joynes' Meissners' German Grammar.
 Otto's German Grammar.
 Lessing's Mina von Barnhelm.
 Riehl's Der Fluch der Schonheit.
 Schiller's Wilhelm Tell, Das Glied von der Glocke.
 Von Hillern's Hoher als die Kirche.
 Wenckebach's Deutsche Grammatik.
 Wenckebach's Lyrics and Ballads, Die Schonsten Deutschen Lieder.

GREEK.

Autenrieth's Homeric Lexicon.
 Boise's Homer's Iliad.
 Crosby's Greek Lexicon.
 Gleason and Atherton's First Greek Book.
 Goodwin's Greek Grammar.
 Goodwin's Xenophon and Herodotus.
 Harper's Xenophon's Anabasis (for "Xenophon at Sight.")
 Jones's Greek Prose Composition.
 Manatt's Xenophon Hellenica, Books I-IV.
 Perrin's Homer's Odyssey (for "Homer at Sight.")

White's First Lessons in Greek.

Whiton's Abridgment of Liddell and Scott's Greek Lexicon.

Woodruff's Greek Prose Composition.

LATIN.

Allen and Greenough's Cæsar.

Collar and Daniell's First Latin Book.

Collar's Practical Latin Composition.

Greenough's Virgil.

Harkness's Cicero.

Harkness's Latin Grammar.

Harper's Virgil (for "Virgil at Sight.")

Jones's Latin Prose Composition.

Kelsey's Selections from Ovid.

Lindsay's Nepos.

Via Latina, Collar.

FRENCH.

About. La Mere de la Marquise.

Bedolliere. La Mere Michael et sou Chat.

Chardenal's Complete French Course.

Corneille. Le Cid, Horace.

Daudet. Le Siege de Berlin.

De Lamartine. Graziella.

De Vigny. Cinq Mars.

Dumas. La Tulipe Noire.

Eckmann-Chatrion. Le Conserit de 1813.

Grandgent's Selections French Composition.

Greville. Dosia.

Halevy. Un Marriage d'Amour.

Hennequin's Idiomatic French.

Keetel's French Reader.

Labiche. Le Voyage de M. Perrichon.

La Famille de Germandre. Sand.

La Fontaine. Fables, Books I and II.

Lamartine. Jeanne d'Arc.

Merimee. Colomba.

Moliere. L'Avare.

Moliere. Le Bourgeois Gentilhomme.

Racine. Andromaque, Iphigenie.

Roulier's First Book in French Composition.

Sand. La Mare au Diable.

Sandeau. Mademoiselle de la Seigliere.

Scribe et Legouve. Bataille de Dames.

Spier's and Surenné's French Dictionary.

Super's French Reader.

Van Daell's French Grammar.

SUPPLEMENTARY BOOKS USED IN THE HIGH SCHOOL.

American Poems.

Ancient Mariner.

Anthon's Classical Dictionary.

Appleton's School Physics.

Bartlett's Familiar Quotations.

Berlitz Methode fur den deutschen Unterricht, Zweiter Theil.

Boisen's German Prose.

Brewer's Reader's Handbook.

Bryant's Library of Poetry and Song.

Carlyle's Essay on Burns.

Carhart and Chute's Physics.

Chamber's Encyclopædia.

Chauvenet's Geometry.

Childe Harold's Pilgrimage, Rolfe.

Comus.

Courtship of Miles Standish.

Craik's English of Shakespeare, Julius Caesar.

David Copperfield, Dickens'.

Dictionary of Biology and Mythology.

Earl of Chatham, Macaulay.

Emerson's Addresses and Lectures.

Emerson's American Scholar.

Emerson's Essays.

Fiske's Civil Government.

French Dictionary.

Goldsmith's Plays.

Goldsmith's Poems.

Goldsmith's Traveller and Deserted Village.

Grandgent's French Grammar.

Grandgent's Materials based on La Dernière Classe.

Greene's Short History of England.

Heath's German Dictionary.

High School Music Reader.

Holy Grail and Sir Galahad.

Hudson's Shakespeare, Vol. II.

Ivanhoe, Scott.

Kimball's Materials based on Colomba.

Latin and English Lexicon.

La Tour de la France.

Lippincott's Gazetteer.

Little Daffydowndilly, Hawthorne.

Lodge's Mechanics.
Lowell's Poems.
Luqien's French Prose.
Macaulay's Essay on Johnson.
Macaulay's Essays on Goldsmith, Bunyan, and Madame D'Aublay.
Macaulay's Essay on Lord Clives.
Macaulay's Life and Writings of Addison.
McCurdy's Exercises in Algebra.
Manual of Mythology.
Martin's English Language.
Materials of French Composition based on Le Siege de Berlin.
Milton and Byron. Macaulay.
Model Etymology, Webb.
Myer's Mediæval and Modern History.
Patriotic Selections.
Perry's Bible Manual.
Phillpot's Selections from Xenophon, Part I.
Richardson's Chemistry.
Scott's Poems.
Scott's Woodstock.
Selected Poems, Browning.
Selected Poems, Wordsworth.
Shaler's First Book in Geology.
Shelley's The Skylark and Adonais.
Smith's Principia Latina.
Smith's Smaller History of Greece.
Sprague's Masterpieces in English Literature.
Stein's German Exercises.
Strang's Exercises in English.
Tales of a Traveller, Irving.
Tennyson's Poems, Complete.
Thackeray's Essays on Prior, Gay, Pope, Hogarth, Smollett, Fielding, Sterne and Goldsmith.
Thackeray's Essays on Swift, Congreve and Steele.
The Abbott, Scott.
The Four Georges, Thackeray.
The Euterpean.
The Foundations of Rhetoric, A. S. Hill.
The Plague Year, DeFoe.
The Talisman, Scott.
Vicar of Wakefield.
Webster's Unabridged Dictionary.
Well's Plane and Solid Geometry.
Wenckebach's Anschauung's Unterricht.

Wentworth and Hill's Algebra.
Wheeler's Logarithms.
Wheeler's Trigonometry.
White's Arithmetic.
Whittier's Poems.
Worcester's Small Dictionary.
Wordsworth's The Excursion.
Worman's German Echo.

TEXT-BOOKS USED IN THE GRAMMAR SCHOOLS.

Franklin New Fourth Reader.
Franklin New Fifth Reader.
Franklin Sixth Reader.
Bradbury's Eaton's Elementary Arithmetic.
Bradbury's Eaton's Practical Arithmetic.
Prince's Arithmetic, Part IV.
Prince's Arithmetic, Part V.
Prince's Arithmetic, Part VI.
Seaver and Walton's Mental Arithmetic.
Longman's Geography.
Longman's Atlas.
Redway's Natural Advanced Geography.
Redway's Natural Elementary Geography.
Webster's Academic Dictionary.
Webster's High School Dictionary.
Barnes's History of the United States.
Hyde's Language Lessons, Part I.
Hyde's Language Lessons, Part II.
Hyde's Language Lessons, Advanced.
Harrington's Speller, Parts I and II.
May's Anatomy, Physiology and Hygiene.
Blaisdell's How to Keep Well.
Gifford's Elementary Physics.
Judson's The Young American.
National New Second Music Reader.
National New Third Music Reader.
National New Fourth Music Reader.
Prang's Drawing Books.
Merrill's Vertical Writing Books.

APPROVED LIST OF SUPPLEMENTARY BOOKS
USED IN GRAMMAR SCHOOLS.

GRADE V.

1. Our World, No. 1.
2. Seaside and Wayside, No. 2.
3. Stories of American Life and Adventure.
4. Old Greek Stories.
5. Heart of Oak Series, No. 3.
6. Longfellow Leaflets.

SPECIAL STUDY IN LITERATURE.

Building of the Ship, Longfellow.

GRADE VI.

1. Eggleston's Elementary History of U. S.
2. Seaside and Wayside, No. 3.
3. King of the Golden River, Ruskin.
4. Dana's Plants and Their Children (also in VII.)
5. Old Stories of the East.
6. Gods and Heroes, Francillon.
7. Heart of Oak Series, No. 4.

SPECIAL STUDY IN LITERATURE.

Courtship of Miles Standish.

GRADE VII.

1. Higginson's Young Folks History U. S.
2. Hawthorne's Grandfather's Chair.
3. Kingsley's Water Babies.
4. The Story of Greece, Gueber.
5. Dana's Plants and Their Children (also in VI.)
6. By Land and Sea.

SPECIAL STUDY IN LITERATURE.

Evangeline, Longfellow.

GRADE VIII.

1. Tanglewood Tales, Hawthorne.
2. The Study of the Romans.
3. Life in Asia.
4. The Sketch Book, Irving.

SPECIAL STUDY IN LITERATURE.

Snow Bound, Whittier.

GRADE IX.

1. Tales from Shakespeare, Lamb.
2. Ballou's Footprints of Travel.
3. Ethics of Success.
4. Selections from American Authors, Eliot.
5. Ballads and Lyrics, arr. by H. C. Lodge.

SPECIAL STUDY IN LITERATURE.

The Vision of Sir Launfal. Lowell.

SETS OF SUPPLEMENTARY BOOKS FOR OC-
CASIONAL READING.

Dickens' Child's History of England.
Anderson's Historical Reader.
Collier's British History.
Goodrich's History, U. S.
Johonnot's Geographical Reader.
Scribner's Geographical Reader.
Child's Book of Nature, Parts I, II, III, IV.
Choice Readings in Nature's Book.
Robinson Crusoe.
Swinton's Book of Tales.
Swiss Family Robinson.
Lady of the Lake.
Hiawatha.
Quentin Durward.
Golden Book of Choice Readings.
American Authors.
Swinton's American Classics.
Swinton's English Classics.
Metcalf's Language Exercises.
Harvey's Readers.
Sheldon's Readers.
Royal Readers.
Monroe's Readers.
McGuffey's Readers.
Appleton's Readers.
Steele's Physiology.

SUPPLEMENTARY BOOKS IN SETS OF THREE FOR GENERAL READING.

Fables and Folk Stories.
 Arabian Nights.
 Æsop's Fables, Vols. I and II.
 Vicar of Wakefield.
 Black Beauty.
 Little Men.
 Little Lord Fauntleroy.
 At the Back of the North Wind.
 Hans Brinker.
 Heroic Ballads.
 Frye's Child and Nature.
 Peasant and Prince.
 Prince and Pauper.
 Classic Myths in English Literature.
 Blue Jackets of 1776.
 " " " 1812.
 " " " 1861.

TEXT-BOOKS USED IN THE PRIMARY SCHOOLS.

Franklin New First Reader.
 Franklin New Second Reader.
 Franklin New Third Reader.
 Harrington's Speller, Part I.
 Child's Health Primer.
 Prince's Arithmetic, Part II.
 Prince's Arithmetic, Part III.
 Prang's Drawing Books.
 Merrill's Vertical Writing Books.
 National New Second Music Reader.

SUPPLEMENTARY BOOKS USED IN THE PRIMARY SCHOOLS.

GRADE I.

1. Our Little Book for Little Folks.
2. Normal Primer.
3. Holmes' First Reader.
4. Riverside Primer and Reader.

5. Werner Primer.
6. The Children's Primer, Cyr.

GRADE II.

1. The Normal First Reader.
2. Harper's First Reader.
3. Stickney's First Reader.
4. Holmes' Second Reader.
5. Scudder's Fables and Folks Stories.
6. Stories for Children.
7. Nature's Byways.
8. The Children's First Reader, Cyr.

GRADE III.

1. Wood's Natural History Second Reader.
2. Scudder's Fables and Folks Stories.
3. 1, Autumn.
4. All the Year Round, 2, Winter.
5. 3, Spring.
6. Stories of Great Americans for Little Americans.
7. The Children's Second Reader, Cyr.

GRADE IV.

1. Seven Little Sisters.
 2. Each and All.
 3. King's Picturesque Geography. No. 1.
 4. Wood's Natural History Third Reader.
 5. Hans Andersen's Stories.
 6. Fifty Famous Stories Retold.
 7. Heart of Oak Series, No. 2.
- Church's Old World Stories.
 Nations of the World.
 The World at Home,—Europe.
 " " " " —The World.
 The World by the Fireside.
 Life in Asia.

SETS OF SUPPLEMENTARY BOOKS FOR OCCASIONAL READING.

- Monroe's Primer.
 Monroe's First Reader.
 Monroe's Second Reader.
 Parker and Marvel's First Reader.
 Parker and Marvel's Second Reader.

Sheldon's Second Reader.
Sheldon's Third Reader.
Butler's First Reader.
Butler's Second Reader.
Stickney's First Reader.
Stickney's Second Reader.
Barnes' Second Reader.
Barnes' Third Reader.
Child's Book of Nature.
Baker's Young Folks' Geography.
Seaside and Wayside, Part I.
Verse and Prose for Beginners.
Æsop's Fables, Vols. I and II.
Grimm's Fairy Tales.
Legends of Norseland.

ANNUAL REPORT
OF THE
SUPERINTENDENT OF SCHOOLS,
FOR THE YEAR 1898.

Report of the Superintendent.

TO THE SCHOOL COMMITTEE :

Ladies and Gentlemen,—I submit for your consideration my eleventh Annual Report. This report constitutes the thirty-eighth of the series of Annual Reports of the Superintendent of Schools of the city.

By a vote of your Board, this report, together with that of the Secretary, is to constitute the Annual Report of the School Committee.

I believe, as I have frequently said before, that the Annual Report of the Superintendent should deal with facts rather than with theories. It should be a full report of the condition of the schools and what they are doing, for it is the principal method of informing the public of these things. It may properly contain recommendations for the future conduct of the schools, that parents and teachers also may take them under advisement, and express themselves in relation to them, if they so desire.

In making this report I have adhered quite closely to this central idea. I have also had reports from the principal of the High School and from the supervisors and teachers of special branches on their work, and these I have embodied in the report. To them I invite special attention.

ATTENDANCE.

It might seem as if the causes which have retarded the growth of the city during the past few years would have had the effect to stop temporarily at least any increase of

attendance in the schools, or even to diminish it; but such is not the case, as the following comparison of attendance for the past two years will show :

	Total enrollment.	Av. No. belonging.	Av. daily attendance.
1898	9,140	7,490	6,966
1897	8,671	7,081	6,600
Increase,	469	409	366

I have been frequently asked why more schoolhouses are needed. The above figures answer this question. The increase of attendance of pupils in the schools has been constant during all the period of business depression in the city, and will surely continue now that business is improving. If provision is not made each year to accommodate the increasing numbers by the construction of new schoolhouses, one of two things must inevitably result: either a certain number of children will be deprived of school privileges, or they must be provided for in hired and unsuitable quarters. During the past year both of these things have occurred, although but few children have been deprived of school privileges, and those but for a part of the year.

Amendments to the State laws in relation to attendance which were passed in 1898 have tended to increase the number of pupils in the schools. While on the other hand stricter regulations by the Board of Health have tended to decrease the ratio of daily attendance to the average number belonging.

Section II of Chapter 496 of the Public Statutes, Acts of 1898, says, "No child who has not been duly vaccinated shall be admitted to the public school except upon presentation of a certificate signed by a regular practising physician that such child is an unfit subject for vaccination. No child who is a member of a household in which

a person is sick with small-pox, diphtheria, scarlet fever or measles, or of a household exposed to contagion from a household as aforesaid, shall attend any public school during such sickness or until the teacher of the school has been furnished with a certificate from the Board of Health of the town or city, or from the attending physician of such sick person, stating in a case of small-pox, diphtheria, or scarlet fever, that a period of at least two weeks, and in case of measles a period of at least three days, has elapsed since the recovery, removal, or death of such person, and that danger of the conveying of such disease by such child has passed."

The city Board of Health has also issued the following order :

OFFICE OF BOARD OF HEALTH,
Nov. 22, 1898.

"Ordered, that on and after this date no person who is suffering or afflicted with whooping cough or mumps, or any contagious disease, shall attend public, private or parochial school or any educational institution."

These laws and regulations are of course necessary and wise. And in a city like ours where many families live in tenement blocks, and where there are many persons who through ignorance and kindred causes render themselves and their children liable to the contraction and spread of disease, too great vigilance cannot be used by school authorities in enforcing sanitary laws. But the schools in such cities suffer much more in attendance for these causes than those of a different character. It becomes necessary to exclude many children from school not having the disease themselves, but who live in tenements with those children who have ; and many parents are careless about taking the steps necessary for their children to return to school. The per cent. of attendance

during the past year has been somewhat less than the previous year, partly by reason of the extension of the regulations relating to contagious diseases and partly by reason of the great storm in November, which made it impossible for many pupils to attend school who desired to do so.

The following most important act in relation to attendance and one which has operated to increase it went into effect the first day of September last:

"Every child between seven and fourteen years of age shall attend some public day school in the town or city in which he resides during the entire time the public day schools are in session, subject to such exceptions as to children, places of attendance and schools as are provided for in sections three, seven, ten and eleven of this act: *provided*, that the Superintendent of Schools or, where there is no Superintendent of Schools, the School Committee, or teachers acting under authority of said Superintendent of Schools or School Committee, may excuse cases of necessary absence."

(The remainder of the act is virtually the same as the old law with the exception that a pupil is no longer required to attend until he is fifteen years old where manual training is taught.)

The most important changes make compulsory attendance between the ages of seven (instead of eight, as heretofore) and fourteen years *during the entire time* the schools are in session.

Section 31 of the same act provides the following penalty for non-compliance with the law of compulsory attendance. It reads as follows: "Any person having under his control a child between seven and fourteen years of age who fails for five day sessions or ten half day sessions within any period of six months while under such control, to cause such child to attend school as re-

quired by section twelve of this act, the physical or mental condition of such child not being such as to render his attendance at school harmful or impracticable, upon complaint by a truant officer, and conviction thereof, shall forfeit and pay a fine of not more than twenty dollars. Any person who induces or attempts to induce any child to absent himself unlawfully from school, or employs or harbors while school is in session any child absent unlawfully from school, shall forfeit and pay a fine of not more than fifty dollars."

The teachers are diligent in their efforts to secure good attendance and parents generally co-operate with them cheerfully. There are some parents, however, who are remiss in their duty in this respect, and do not realize that every absence of the child has its injurious effect not only on himself but upon his class. On the other hand some teachers criticise absences of pupils too freely. They do not always know the facts of the case and do not distinguish in their criticisms between the absence that is necessary and the one that is for insufficient reason. Good attendance, like all else that is accomplished for good in the schools, is secured through encouragement of pupils and a considerate interest in their welfare rather than through criticism and arbitrary rules.

Tables with a detailed statement of the attendance are given in another part of this report.

TRUANCY.

There were more cases of truancy reported by the teachers the past year than in 1897. Notwithstanding the efforts of the teachers and the vigilance of the officers, truancy is quite common. It is not confined to any school but prevails in all, though not in the same degree. It is not from dislike of the school because of harsh or unfair usage that pupils generally become truants. Occasionally I find a

case that is the result of dislike of the pupil for the teacher, but not often. Truants are usually pupils whose home surroundings are unwholesome and unpleasant for some reason. Occasionally there is a case where the moral obliquity of the individual is the only cause. Nearly all the cases of truancy are those of boys, but truant girls are not unfrequently found. Many boys remain out of school without leave to earn spending money if possible. They get no money without earning it, and they have tastes, too often unwholesome ones, which they wish to gratify. Such boys usually have the run of the streets at all times. They are not in their homes at night until a late hour, and their whole lives outside of the schoolroom are passed in a degenerating atmosphere. Their truancy soon results in crime unless it is checked, and in spite of all that is done by the schools the number of juvenile criminals is constantly increasing.

Many persons seem to think that the truant officers have no other duties to perform than to look up truants. If they did nothing else their duties would be exceedingly light. They have much else to do, as their reports, which are given below, will show. Recent changes in the labor laws have added to their work somewhat during the past year.

REPORT OF HENRY SMITH, TRUANT OFFICER.

Schools visited,	1,857
Absences reported,	542
Absences without permission,	59
Second offences,	16
Third offences,	13
Parents notified,	576
Taken to school from street,	5
Arrests,	5
Prosecutions,	4
On probation,	2
Sentenced to Truant school,	2

Transfer cards received,	170
Evening school absences investigated,	412
Visits to mills,	110
Violations of labor law,	3

REPORT OF WILLIAM A. BAKER, TRUANT OFFICER.

Schools visited,	1,936
Absences reported,	969
Absences without permission,	67
Second offences,	11
Third offences,	12
Parents notified,	1,076
Taken to school from street,	28
Arrests,	6
Prosecutions,	5
Sentenced to Truant school,	5
Transfer cards received,	256
Cases of tardiness investigated,	1
Evening school absences investigated,	266
Visits to mills,	126
Violations of labor law,	1

RECENT CHANGES IN LAWS RELATING TO THE
EMPLOYMENT OF CHILDREN.

Many and important changes were made in the public statutes in the year 1898 relating to the employment of children. These changes are as follows:

CHAPTER 494, ACTS OF 1898.

1. Section 1 forbids the employment of any child under fourteen years of age in any factory, workshop, or mercantile establishment. It forbids the employment of any such child for wages while the schools are in session and all employment before six in the morning and after seven in the evening. It requires each child under fourteen to attend school until he is fourteen and not thirty weeks only between thirteen and fourteen as heretofore.

2. Section 2 requires the employer of all children under sixteen years of age to procure and keep on file, and accessible to truant officers, the district police and

inspectors of factories, age and schooling certificates for all such children employed, the limits of age for such children now being fourteen years and sixteen years, instead of thirteen and sixteen, as heretofore.

It requires all such establishments to keep *two* complete lists, instead of one as formerly, one on file and the other conspicuously posted near the principal entrance where such children are employed.

It also requires them to keep on file a complete list of *all minors* employed who cannot read at sight and write simple sentences in the English language, and to send to the Superintendent of Schools the names of all such illiterate minors employed.

3. Section 7 provides that no minor who cannot read at sight and write simple sentences in the English language shall be employed while a public evening school is maintained in the town or city in which he resides unless he attends a day school, or has a permit issued by the Superintendent of Schools excusing him from attending. He is required to attend *all the time* the evening schools are in session (unless excused) and not seventy per cent. of the time as heretofore.

Any person who employs a minor in violation of the provisions of this section shall forfeit for each offence not more than one hundred dollars for the use of the evening schools of such town or city. Any parent, guardian, or custodian who permits to be employed any minor under his control in violation of the provisions of this section shall forfeit not more than twenty dollars for the use of the evening schools of such town or city.

There are several other but minor changes which relate to the issuance of employment tickets.

The changes in these employment laws place new responsibilities upon the employers of labor, parents, and guardians, and all school authorities. There are many

illiterate minors who attend evening school only when they are at work and have many excuses for not attending regularly. Some attempt to avoid the law entirely. The employers of labor co-operate readily with the school authorities in regard to the employment of children and illiterate minors with but few exceptions. I have ascertained that a number of milkmen employ children in violation of Section 1, Chapter 494, Acts of 1898, and this will soon be remedied.

Formerly there were many children under fourteen years of age who came to school in the morning having been at work since four or five o'clock, and some of them had often a hurried and insufficient breakfast. These children were not only unfit to study, but before the day was over seemed physically exhausted and must have suffered in health.

Some of the laws in relation to employment of children may involve individual hardship but they operate in the best interest of the children at large. More authority is now given to the Superintendent of Schools in regard to excusing children temporarily from attending school, and in cases where family necessity appears to require it I use all the latitude in this direction that I am permitted.

EMPLOYMENT CERTIFICATES.

The following list shows the number of certificates issued at the office the past year. The issuance of these certificates involves a large amount of work not only in issuing the certificates themselves but in explanations to those who are not entitled to certificates. Great care is exercised in issuing these certificates but I do not doubt that occasionally deception is practiced in order to secure them. In some cases it is impossible to verify the statements made by the parents as no record of the birth of the child exists.

EMPLOYMENT CERTIFICATES ISSUED DURING THE YEAR.

Number of certificates issued,		706
For the first time,	673	
Duplicate of certificate,	33	706
Birthplace of those to whom certificates were issued :		
United States,	336	
Canada,	164	
England,	75	
Western Islands,	57	
Cape de Verde Islands,	9	
Germany,	7	
Scotland,	6	
Ireland,	4	
Portugal,	4	
Russia,	3	
Brazil,	2	
France,	2	
Sweden,	2	
Austria,	1	
Prince Edward Island,	1	673
Number of illiterates to whom certificates were issued,		204
Vacation certificates issued during the summer vacation,		137

THE PRESENT SITUATION IN REGARD TO
SCHOOL BUILDINGS.

The same condition prevails in New Bedford that prevails in many other cities in regard to school buildings. There are not enough schoolhouses to provide for all the pupils and carry on the work of the schools to the best advantage along the various lines undertaken. It would not be profitable for me in this report to attempt to analyze the causes of this. Those who administer the affairs of our city tell us that the revenues are not sufficient to meet all the demands for expenditure, and the schools must suffer with the other departments. I do not wish to exalt unduly the school department above all others, but I have the sincere conviction that the right of the school children to healthful surroundings while attending school, and good facilities for work are the

strongest claims in this age of universal education upon the revenues of a city. I find that universally parents agree with me in this when it concerns their own children.

What is the present condition in regard to the housing of the school children in the city and what is needed to improve the present situation? Certainly most of the children are housed in schoolhouses that are suitable and adequate. But there are a number of school children who are not located in schoolhouses at all, and there are several schoolhouses that need some enlargement and improvement.

The number of classes located in hired quarters is at present fourteen; five of these are, however, classes of the Harrington school thrown out of the building by the failure of the ventilating apparatus, which defect will probably be remedied next summer. Without counting these classes there are nine others, with over three hundred and fifty pupils, for which there are no schoolhouses, and none in process of building to accommodate them. By fall this number will probably be increased still more. Six of these classes are located in the south part of the city east of County street and north of Cove street. Two are located north of Cedar Grove street and one on Spruce street. Two buildings should be built at once; the one in the south part of the city is needed most. If these buildings should be begun now they would not be completed for more than a year and the difficulty of caring for the overflow pupils is growing more difficult each term. The city is paying now \$3,660 a year rent for outside schoolrooms. This is the interest at four per cent. on \$90,000, a sum sufficient to build two large and excellent schoolhouses.

An addition built on the Harrington school (and the lot will permit an addition readily) would relieve the over-

flow in the Cedar street school, provide for future growth in that and the Harrington school district, and add much to the working facilities of the Normal department. The High school is much in need of an addition or an annex. Part of the assembly hall is now used for drawing classes, and the Commercial department is cramped for room. No High school course in manual training is provided as required by the following statute :

SECTION 4, CHAPTER 496, ACTS 1898.

“Every town and city of *twenty thousand* or more inhabitants shall maintain as part of both its elementary and its high school system the teaching of manual training.”

In presenting these needs of the schools to you I realize fully the prevalent feeling that economy is necessary. But there is no economy in not building schoolhouses and hiring outside quarters where the hygienic conditions cannot be so good as those of good schoolhouses, and where school work cannot be done so well. Are our authorities ready to take the position that no more schoolhouses are to be provided? If not, construction on some should be begun at once.

THE ELEMENTARY SCHOOLS.

Under this classification come the grammar, the primary and the ungraded schools. In them are all but a few hundred of the seven thousand and more pupils attending the schools. What are they doing for these pupils? Are they training them to a sense of their moral responsibilities? Are they furnishing such an elementary education as will fit these pupils either to continue their course with success in the High school, or, if they leave school at an earlier stage, to use with good advantage and with any degree of efficiency the knowledge already ac-

quired? Are they caring as they should for the physical welfare of their pupils? These are the practical questions that are to be answered in considering the work of the schools.

Before I attempt to answer these questions, let us consider for a moment the material with which the schools of our city and many another have to deal and the conditions under which the teachers labor. I often wonder if our citizens realize the diversity of character of the school population of today and the problems that confront the teachers on this account alone. Coming into the schools year after year are hundreds of children of many nationalities and from every type of home. Many of them cannot speak or understand a word of English and seldom hear any spoken at home, if any. Many of them are insufficiently clothed and fed and far from clean. Many of them are suffering with some physical infirmity; it may be defective vision or hearing; or it may be some disease of the blood or skin that has become chronic through neglect or other cause, and if not contagious, (which is sometimes the case) is at least unpleasant to the sight and offensive in odor. Many of these children have no refining influences at home, but the contrary. They, in fact, have few if any home advantages. Side by side with these are the children from homes of refinement and culture; children who not only are well nourished in body but in mind; who are the solicitation of their parents at all times; who are trained and instructed at home as well as at school. And yet all these children are classed together and are expected to take the same studies, to do the same amount of work in each case, and to undergo the same kind of discipline and training.

It may seem to the uninformed as if this picture was overdrawn; but I can only say to the incredulous come

with me and witness for yourselves. How to classify these pupils that the strong and intellectual shall not suffer from their weaker companions, and how the unfortunates may be better cared for are the questions that trouble and perplex more than any others those who administer the schools.

In some places the pupils are being differentiated in a measure. Special schools are organized with specially trained teachers where those very deficient mentally are sent. This class of pupils is of course small in number. Ungraded schools are being opened in each of the larger buildings in certain other places wherein individual instruction is given, both to those who for any reason are much behind their class, and to those also who are intellectually and physically strong enough to proceed faster than their classmates. In others the period of promotion is made short that the more proficient may not suffer from those who are slower. Medical inspection and oversight is exercised in some places by physicians appointed for the purpose; and in various ways these before mentioned evils are being recognized and met. In no place, however, to my knowledge has a plan been put into operation by which all pupils are classified and cared for according to their individual needs and necessities.

We, in our schools, have done little or nothing as yet to remedy these existing evils, although I have urged from time to time that something should be done. The periods of promotion in our schools are a year apart, except in the lower primary grades; all pupils are expected to take the same course of study; the weak minded are to be found side by side with the intellectually strong; no special medical supervision is exercised over the schools beyond the indirect action of the Board of Health.

But are the schools doing as well as might reasonably be expected with their present organization? This ques-

tion brings me back to the consideration of my original questions. I feel that they may all be answered favorably.

In the primary schools, which contain more pupils than all the others, and where the unfavorable conditions that I have referred to are much worse than in the others, especially those that relate to the physical condition of many of the pupils, the work is most commendable. Although the teachers of these grades have smaller salaries than any others, it seems to me that their work is the most important of all. Most of them have from forty to fifty pupils, and in the four years that they are the charge of these teachers their development is remarkable.

In the grammar grades also the progress is good. While the pupils in them vary greatly in capacity there is not that wide variance in this respect that is to be found in the pupils of primary schools. Those pupils who are very deficient mentally never reach the grammar grades; all of course know the English language well enough to speak it and to read in a third reader before they enter; they have some proficiency in the elements of numbers; they have some knowledge of geography, music, drawing, nature work, and can write a good legible hand.

Yet as I have stated before there is a marked difference in the capabilities of the pupils and they are all expected to do the same work in the same time. What is the result? It is that the pupils intellectually strongest keep pace with the average; the weakest do not do the work and in many instances repeat the year before they are advanced. If the period of regular promotions was shortened to a half year and the pupils of the greatest ability in each grade classified together and those of lesser ability also classified together, both sections in my opinion would do better. All the principals in the grammar schools sustain me in this opinion.

Another matter in connection with the grammar grades and one which I broach with some hesitation is that of the course of study in the highest classes. I have long felt that it would be well to substitute algebra for part of the work in arithmetic during the last year of the grammar school. I would also offer with the last year the option of Latin to those who desire it. These questions have received earnest consideration both by me and the principals of the schools for some time and we are agreed that the change would be wise. I shall not attempt to present here the reasons for our conclusions, preferring to present them to the Board if the subject receives its consideration. I will simply say that this change will involve no additional expense to the schools, and will not add to the burden of teachers or pupils. But it will be a differentiation of studies in the schools at a period one year earlier than now. It is the practice in many cities and towns at the present time, and has proved acceptable and beneficial where it has been tried.

THE HIGH SCHOOL.

The attendance in this school shows a slight increase the past year over that of 1897 and a marked increase over that of 1896. Less pupils leave the school before completing their course than formerly. I attribute this partly to the influence of the Commercial course and partly to the improved morale of the school. The condition of the school in this last respect has never been so good within my knowledge. There is earnest, well directed effort by the teachers in all departments, and the pupils show in their work a spirit of endeavor which is bringing excellent results.

The Commercial course has proved to be a popular addition to the school. Fifty-five from an entering class

of one hundred and twenty-four last September chose this course. One hundred and thirteen, or nearly one-third of the pupils in the school are pursuing this course.

A large number of pupils are taking the courses for higher institutions. The impression seems to have gone forth sometime in the past that the school did not fit pupils for college in four years. If it was ever true of the school it is not so to-day. Pupils who enter the school with a determination to fit themselves for college and select their course with that in view, can be prepared as well in four years as in any High school in the State. But the college requirements for admission are rigid and exacting, and those who expect to fit for any college well in four years must select their course upon entering the High school, must be punctual in attendance, and must be ready and willing to work. This is not only true of our High school but of any other.

The increasing cost of the school during the past few years has been the cause of some criticism. It is a fact that the High school has increased in cost and so have the other schools. They have in every progressive place with which I am acquainted. I am inclined to think that criticism would be much stronger and more widespread if the expense of the school had not increased somewhat. For that would mean that the school had either stood still or retrograded.

The following tables will show the cost of this school per pupil since and including 1890 when the accounts with each school were opened and carefully kept under two heads.

Table I. Cost per pupil including only pay of teachers, pay of janitor, text-books and supplies and fuel.

1890	\$48.94	1894	\$54.84
1891	50.23	1895	58.29
1892	49.01	1896	56.44
1893	47.07	1897	54.21
		1898	62.92

Table II. Cost per pupil including the expenses in Table I. and in addition the repairs on building, all incidentals other than those specified in Table I, as new furniture, etc., and a proportionate part of officers and clerks' salaries.

1890	\$50.63	1894	\$56.21
1891	52.43	1895	64.26
1892	55.45	1896	64.72
1893	56.61	1897	64.78
		1898	70.46

In considering the apparent large increase in the cost for the past year it must be borne in mind that 1898 was an extraordinary year with the school department as regards expenditure. Owing to the change in the fiscal year there were but eleven months in the fiscal year of 1897 and twelve in 1898. There was also an additional week on pay of teachers which raised the average per pupil.

The actual cost of the school each year since and including 1890 is as follows :

Table III. Whole cost of school.

Including items in Table I.	Including items in Table II.
1890 \$16,850.39	\$19,251.77
1891 16,798.06	18,517.36
1892 17,075.88	20,381.17
1893 17,029.60	19,534.86
1894 17,962.84	20,034.65
1895 17,779.13	20,757.99
1896 17,835.10	20,450.97
1897 18,539.37	22,155.71
1898 22,211.95	24,873.29

The chief items of increase in running the school over nine years ago are these : Commercial course, requiring more teachers and more supplies ; slight increase in pay of several teachers ; clerk ; text-books formerly supplied from Howland fund now supplied from "Text-Book" account.

Below is given some statistics concerning the school which are of interest. At the close of the Superintendent's report is given also an extended report of the principal of the school to which I invite your attention.

No. of pupils who have left school during the year and causes :

	Boys.	Girls.	Total.
Seniors,	1	4	5
Sub-Seniors,	3	9	12
Juniors,	7	8	15
Sub-Juniors,	10	13	23
	21	34	55

Causes for leaving :

	Boys.	Girls.	Total.
Illness,	3	18	21
Moved from city,	2	3	5
At work,	7	5	12
Neglect of school work,	1	10	11
Not promoted,		1	1
Went to private schools,	1	2	3
Suspended,	2		2
	16	39	55

Graduates of 1898 pursuing advance courses :

	Boys.	Girls.	Total.
College,	5		5
Harrington Training school (entered January, 1899),		4	4
Swain school,		2	2
Business University,	1	1	2
Private school,	1	1	2
	7	8	15

Post graduates of 1897 in the High school during 1898, now pursuing advanced courses :

	Boys.	Girls.	Total.
College,	4		4
Art school,		1	1
	4	1	5

Pupils entering the High school in September, 1898 :

	Boys.	Girls.	Total.
From New Bedford Public schools,	41	76	117
From other schools,	5	2	7
	46	78	124

Post graduates in the High school in 1898 :

	Boys.	Girls.	Total.
From January to June,	4	5	9
From September to December,	1	5	6
	5	10	15

Taking the Commercial course in the High school :

	Boys.	Girls.	Total
Sub-Seniors,	7	15	22
Juniors,	22	14	36
Sub-Juniors,	23	32	55
	52	61	113

Intention of present pupils concerning advanced courses.

Classical course, (to enter college with Greek :)

	Boys.	Girls.	Total.
Seniors,	2		2
Sub-Seniors,	4	3	7
Juniors,	6		6
Sub-Juniors,	4	3	7
	16	6	22

To enter college without Greek :

	Boys.	Girls.	Total.
Seniors,	10	7	17
Sub-Seniors,	9	24	33
Juniors,	9	28	37
Sub-Juniors,	13	32	45
	41	91	132

To enter Scientific, Medical, or Law school :

	Boys.	Girls.	Total.
Seniors,	2		2
Sub-Seniors,	4		4
Juniors,	1		1
Sub-Juniors,	1		1
	8		8

To enter the Harrington Training school :

	Boys.	Girls.	Total.
Seniors,		5	5
Sub-Seniors,		17	17
Juniors,		20	20
Sub-Juniors,		17	17
		59	59

To enter a State Normal school :

	Boys.	Girls.	Total.
Seniors,			
Sub-Seniors,	1	1	2
Juniors,		3	3
Sub-Juniors,			
	1	4	5

To enter other advanced schools :

	Boys.	Girls.	Total.
Seniors,	2	3	5
Sub-Seniors,	5		5
Juniors,	4	1	5
Sub-Juniors,			
	11	4	15

THE HARRINGTON NORMAL AND TRAINING SCHOOL.

Each succeeding year strengthens my belief that this school is of inestimable benefit to the school system of the city. The normal instructors in it are not only thoroughly equipped for their duties but have the highest ideals in regard to the preparation of teachers for their profession and strive without ceasing to inspire the pupil-teachers with a proper conception of it. I am sure that the great majority of the graduates of this school bring to their work minds well trained, a good knowledge of methods of teaching and a just conception of the relations that should exist between teacher and pupils. If one of them does not it is her individual fault and not that of the school.

The actual practice that each pupil-teacher gets in the school and in substituting is considerable but not sufficient to give her wide experience. That must come later. But I find that usually a graduate knows how to organize her school when she is given one, how to keep the required records of different kinds, and how to present well the different subjects that are to be taught. With experience and familiarity with her pupils she usually succeeds well in governing them. There have been a few exceptions, and it would be strange if there had been none.

Most of the graduates appear to appreciate what the school has done for them. They take pride in having attended it and are loyal to it. I cannot understand how anyone of them who is possessed of any catholicity of spirit can regard the school in any other way.

The work of the school has been seriously interrupted during the year by reason of defects in ventilation in the building and by insufficient room. An additional room was finished in the attic, and in the summer work was begun on the ventilating apparatus that was not completed until several weeks after the school opened in the fall. When completed the faults were not sufficiently remedied to make the ventilation good. The school was again closed and the ventilation of the north part of the building improved and is now in use. It will not be possible to make the ventilation in the south part of the building what it should be until the whole building is closed for school purposes. It has been thought best to defer this change until the long vacation. The Kindergarten and several of the primary classes are therefore now located in hired buildings and the other classes and the Normal department in the north side of the school-house.

The pupils of the primary classes located without the

building attend school but half sessions, as there is not room to accommodate them all in full sessions.

But notwithstanding the interruptions, the teachers by redoubled efforts have kept up the standard of work. The graduating exercises of the class in December have never been surpassed if equaled by any preceding class. The theses of the graduates showed the results of excellent training and a good conception of modern ideas in relation to teaching. At the close of the exercises an address was given by Mr. George H. Martin, Supervisor of Schools, Boston, which was replete with sound educational doctrine and filled with stimulating thought. It is unfortunate that all the teachers in the city and the parents also cannot hear these annual exercises and addresses as they are most suggestive. The program given in another part of this report shows the range of subjects covered by the theses and the nature of the exercises.

The following statistics regarding the pupil teachers are furnished by the principal.

STATISTICS OF THE NORMAL DEPARTMENT, HARRINGTON
NORMAL AND TRAINING SCHOOL FOR THE YEAR 1898:

Pupil-teachers enrolled during the year,	27
Pupil-teachers admitted to junior class, Jan., 1898,	15
Pupil-teachers graduated December, 1898,	11
Pupil-teachers who have resigned,	1
Pupil-teachers admitted to junior class Jan., 1899,	12
Pupil-teachers admitted to senior class Jan., 1899,	1
Pupil-teachers in junior class January, 1899,	14
Pupil-teachers in senior class January, 1899,	13
Pupil-teachers in the school, January, 1899,	27
Days substituting by pupil-teachers,	277½
Days absence from other causes,	45½

THE EVENING SCHOOLS.

A detailed statistical report of these schools is given in another part of this report. The attendance in the elementary schools has not been quite as large or as regular as in 1897. This has been caused undoubtedly by the dull business which prevailed in the mills. The great majority of pupils who attend these schools are illiterates over fourteen years old. Many of these will attend school only when they desire employment. As the law requires them to attend school only when they work, the effect of reduction of help in the mills is to reduce the attendance in the evening schools.

The evening drawing school has not been well attended. This was the case also last year. Many pupils were enrolled but the average attendance was small. Four courses were offered under competent teachers, but some of them were so poorly patronized that they were discontinued. I think the situation of the school affects the attendance. It is held in the third floor of the High school building. Many who wish to attend are deterred from doing so in all probability by reason of the great distance they must go to reach the school. It has occurred to me that it may be possible to make some arrangement with the Textile school authorities when that school is opened to hold the city evening drawing school there in connection with its drafting department. If this should be done, more pupils I am sure would attend on account of the situation of the school, if for no other reason.

The evening schools as a whole have done as good work during the year as could reasonably be expected under the present form of organization, with the exception of the one held in the Phillips Avenue school in the spring term. That school was reorganized in the fall and did much better work, although the attendance was small.

I feel that the evening schools could be reorganized in such a way that they would attract many who do not now attend them, and to whom the opportunities afforded by them would be of great value.

The plan as roughly outlined in my mind would involve :

1. An evening High school. This I advocated in one of my reports several years ago. To this admission should be gained by examination or by completion of a certain course in the day or evening elementary schools.

2. A separation of the illiterates in the elementary schools as far as possible from the more advanced pupils. Hold sessions of the advanced elementary schools four nights each week ; hold the sessions for illiterates but two nights as at present.

3. Have courses of lectures in connection with the High school and advanced elementary schools on such subjects as civil government, history, literature, and hygiene. The teachers of the High school, physicians, and others in the city could probably be secured at a small expense to give these courses.

4. Combine the evening drawing school with the drafting department of the Textile school if such an arrangement could be made.

If the evening schools were organized under some such plan as I have outlined, they would have a more definite purpose than at present ; they would attract to them more members outside the illiterate class, and the High school would offer to poor but ambitious young men and women the opportunity for self improvement which they should have, and which many of them desire.

There are not many cities in the State of the population of ours in which an evening High school is not successfully maintained.

KINDERGARTENS.

The three kindergartens connected with the schools have now been open one year and four months. On recommendation of the School Committee, the City Council appropriated last June a sufficient sum of money to continue these until the close of the school year, next June.

The school in the south part of the city held until June a morning session in St. Martin's chapel and an afternoon session in the City Mission chapel. But it was found necessary to give up the plan of holding two sessions in two different buildings for several reasons; such a plan was too expensive, and was too wearing on the teachers. A change was made, therefore, in September, and since that time the school has been conducted in the City Mission chapel only.

The attendance has not been large in any of the schools. Instead of it being large enough to require the schools to hold two sessions a day there has not been an attendance nearly as large as the schools could accommodate in the morning session. There is some indication of improved attendance in these schools, however.

Miss Mary B. Pratt, the head kindergartener, resigned in June and Miss Wilhelmina Humbert was advanced to that position. Miss Humbert was principal of the South Kindergarten. Miss Josephine Cobb was advanced to the principalship of the South Kindergarten and Miss Ethel S. Gibbs was elected assistant in that school. These schools have been well taught and the teachers are all well trained and enthusiastic.

Kindergartens have unquestionable value in a system of schools and they are being rapidly added throughout the country. The only reason that their number has not increased faster is the cost of maintaining them. I hope

that means may be provided for continuing ours. It would be a distinct step backward to abandon them.

SPECIAL DEPARTMENTS.

I have asked the supervisors and teachers in charge of all the so-called special lines of work to speak this year for themselves. They have done so, and their reports will be found appended to this report, and I would ask for each careful consideration. I wish only to say in this connection that I think the city is particularly fortunate in the character of these instructors. They are well qualified for their various callings; they are diligent and enthusiastic in the performance of their duties; and I express to them here my appreciation of their work, and my thanks for their constant and unvarying co-operation.

TEACHERS.

The number of day school teachers employed by the city in regular positions is two hundred sixteen. One classification gives:

Principals and assistants in High, Grammar, Primary and	
Ungraded schools,	203
Supervisors and teachers of special branches,	7
Kindergarteners,	6
Total,	216

Another classification shows that there are

Graduates of Colleges and Institute of Technology,	9
Graduates of Normal schools,	45
Graduates of Harrington Normal and Training School,	63
Graduates of other Training schools, including Kindergartens,	12
Those not graduates of College, Normal or Training schools,	87
Total,	216

Many of the last class have, however, attended a normal school or some higher educational institute for a time and all are teachers of experience. Many of them are

among the most successful teachers in the city; for by natural aptitude for teaching, by study, and experience they have overcome the lack of special training.

In the Normal and Training School there are twenty-seven pupil teachers. In the evening schools there are sixty-nine teachers, making a grand total of three hundred twelve teachers employed by the city in all departments for either a whole or part of the year.

There have been a number of resignations during the year for various reasons, and one dismissal. Several teachers have been granted leave of absence for either a whole or part of the year, which necessitated the employment of temporary teachers in their places. One principal of long and meritorious service died after a brief illness.

To fill the vacancies and to provide for the increased attendance there were made during the year twenty-one different appointments. All the appointees are graduates of College, Normal school or Training school, or have had valuable and successful experience.

It takes some time for new teachers to become acquainted with the rules of the Board and the methods of teaching which are employed in the schools. Frequently, also, the character of the pupils is very different from those that they have had to deal with elsewhere. All these things tend to produce friction and loss of time and effort at first. Sometimes teachers who have been successful in smaller and less highly organized systems fail when they come here. It is the duty of principals and supervisors to watch carefully the work of all new teachers and give special assistance where it is necessary. I think this is generally done. But on the other hand it is incumbent on the new teachers to inform themselves thoroughly on the rules, the reports, the curriculum, and the methods of study and discipline that are approved by

the authorities. If any of them do not meet their views, they should state their objections to the proper persons and agreement sought.

Teachers from other fields may have experiences and ideas that are different from ours that are an improvement. These should be welcome, and those teachers should be permitted to put them into operation under suitable conditions, if they relate to teaching. In matters of administration the case is different. The value of securing teachers elsewhere lies in the very fact that they are supposed to add strength and life to the schools by the infusion of new ideas and experiences. I think it is fortunate for the schools of the city that all the teachers needed are not supplied by our Training school for this reason. Too much inbreeding is not well for any system of schools.

I have had reason to say many times that the corps of teachers of the city is strong in many respects. It deserves the confidence and support of the public. But there is a great difference between the best twenty-five and the poorest twenty-five in culture and attainment and in the kind of spirit that they bring to their work, and, therefore, in the value of their teaching. Yet all get the same compensation after the same length of service. The problem how to adjust the pay of teachers in accordance with merit has not yet been solved satisfactorily anywhere to my knowledge.

Someone has well said we have the artist type of teacher and the artisan type, and these two types will continue to exist. Let us hope, however, that all teachers of the city will strive constantly to be enrolled in the first and nobler class, and then, and not till then, will the schools approach that measure of attainment for which we all should strive.

In Memoriam.

Died, in this city on November 21, 1898, after a few weeks of illness, Miss Sarah H. Cranston, a teacher for many years in the public schools.

This is the epitome of a life of noble but unobtrusive service. How frequently is it true that those whose influence is for the greatest good are least known to the busy, struggling world. Miss Cranston became a teacher in this city in 1856. In 1869 she was made principal of the Bush street school, and later of the Thomas A. Greene school, built to replace the former. For forty-two years Miss Cranston served the children of this city with loving, untiring zeal. She was respected and loved by them in return through the many years of her ministrations. Kind, considerate, and thoughtful, her assistant teachers found in her always a wise counselor and a helpful friend. Faithful to the end, Miss Cranston was at her post of duty until stricken with her last illness. By her death the School Board lost the services of one of its most efficient and faithful teachers; but the influence of her example will long continue to be felt by all those who came under her instruction, or who were associated with her in the different walks of life.

CONCLUSION.

The responsibilities of a Superintendent of Schools in these days are great while his actual power in most places is very limited. His office is much less secure than that of the teachers even, and his efforts for the improvement of the schools are frequently trammelled by many things which are not for public good. He is often misunderstood and misjudged, and scant opportunity given him to set himself right before he is condemned. Under these conditions he cannot secure the same efficiency in the schools that he might do under different circumstances no matter what his ability, his diligence, or his independence. Fortunately for the future interests of the schools of this country, the thinking public is beginning to recognize that it is wrong to employ an expert to direct the schools, hold him responsible for results and give him little power and an insecure position. It is beginning to insist that the Superintendent shall be given a long term of office, or permanency of office during efficiency; that he shall be given definite and enlarged powers of administration, and be held responsible for their right use. It is beginning to see that in this way only can he secure highest results in any policy which he may put into practice. His aim should be single in purpose, and that to give the children the very best opportunity for their physical, mental, and moral development. It was for this that the public schools were called into existence, and it is for this that all efforts should be directed.

With a sincere hope that the same liberal policy may be pursued in the administration of the schools of the city in the future as in the past, and that all matters pertaining to their welfare may receive deliberate and thought-

ful consideration by all those to whom their affairs are intrusted, this report is

Respectfully submitted,

WILLIAM E. HATCH,

Supt. of Schools.

SPECIAL REPORTS.

REPORT

OF THE

PRINCIPAL OF THE HIGH SCHOOL.

THE HIGH SCHOOL, City, Feb. 10, 1899.

Mr. Wm. E. Hatch,
Superintendent of Schools.

DEAR SIR—At your suggestion I present a report upon the work and condition of the High School.

The course of study, adopted in 1894, with the recent revision of the English work, has increased the adaptability of the curriculum to the needs of the pupils and has added to their interest in their work.

The Commercial Department will send out in June the first graduates of its full three years' course. There are one hundred and thirteen pupils in this department.

The spirit of the school is such as to lead more pupils each year to plan for a college career, or other advanced work. At present one hundred and sixty-two pupils hope to go to college and sixty-two others to the Harrington Normal and Training School or to some other higher institution. Eighteen pupils (all who tried) passed the college requirements, final or preliminary, last June and September, winning "credits" in many subjects. One entered the Sophomore class at Brown University and one of the five that entered Harvard had taken but three years for preparation. Four of the present Senior class have already passed their preliminary examinations for admission to Harvard.

It is interesting to note the number of pupils pursuing some of the studies.

With the exception of a few special pupils all are studying English.

History, 287.	Science, 245.	German, 51.
French, 247.	Latin, 212.	

The Cadets have done excellent work and their morale is satisfactory. The company is larger than ever before if I am correctly informed as to its size in past years.

It is appropriate at this time to speak of the hearty reception given by the parents and the general public to a free course of lectures given by nine of the teachers and four of the High School committee. The tickets were offered first to the pupils and their parents and so great was the demand for them that the lecturers consented to repeat the lectures. Over two thousand tickets were called for but the capacity of the High School hall permitted the issuing of but seventeen hundred, half for Friday, half for Saturday nights. The course is as follows :

Nov. 11th and 12th. Introductory Address, Mr. Hatch, Superintendent of Schools. Astronomy, (illustrated), Mr. Moore, principal of the school.

Dec. 2nd and 3rd. Glimpses of Central America, Miss Austin, teacher of history.

Jan. 20th and 21st. Geometry, Why? Mr. Norton, teacher of mathematics.

Jan. 27th and 28th. Culture Through Art, Mrs. Tillinghast, of the High School committee.

Feb. 10th and 18th. Taxes, Mr. Bonney, teacher of civil government.

Feb. 24th and 25th. An Hour with Moths and Butterflies, (illustrated), Miss Parker, teacher of science.

March 10th and 11th. Literature In School and Out, Miss Cranston, teacher of literature.

March 24th and 25th. By the Roadside and Otherwhere, Miss Winslow, of the High School committee.

March 31st and April 1st. Painting, Past and Present, (illustrated), Miss Crabtree, teacher of drawing.

April 14th and 15th. Practical Education, Mr. Page, teacher of the commercial course.

April 21st and 22nd. Electricity, Mr. Allen, teacher of science.

Lectures by F. A. Milliken, Esq., chairman of the High School committee, and the Rev. E. S. Rousmaniere of the High School committee, will be announced later.

A very pleasant feature of the course consists of music and readings given by graduates of the school prior to each lecture. Also, the classes now in the school provide a reception committee and ushers who attend to the needs of the lecturers, readers, singers and audience. I wish here to express my thanks to the Superintendent for his sympathetic cooperation and to the committee, the teachers, graduates and class committees who have so heartily united in this effort to make our school more widely useful in the community.

Following the development of amateur photography, a camera club has been formed with the assistance of Mr. Allen and Miss Parker. The object of the club is to develop further this branch of education, and to exchange with other amateur clubs such photographs as may serve for illustration in other studies. The club has arranged for a series of lectures, to be given at intervals of about two weeks, as follows:

Physics and Chemistry of Photography,	Mr. C. R. Allen.
Development and Printing,	Mr. A. F. Milliken.
Artistic Photography,	Mr. B. F. Pennock.
Grouping,	Mr. A. F. Gilbert.
Tools of the Trade,	Mr. H. P. Willis, Jr.

The lectures will be illustrated by the stereopticon. The club consists of fifteen members, and hopes in the near future to give an exhibition of its work.

The recent introduction of a system of physical training meets a long felt need of the school. The details of its application are not yet fully arranged but when they have been satisfactorily adjusted I anticipate much bene-

fit for the pupils. The wretched condition of the laboratories as to ventilation continues to hamper work there and points to the need of providing new quarters when it can be done.

A lunch counter, where, at a price only just above cost, warm soups, milk and wholesome home-made food could be obtained by the pupils, would be a valuable addition to our equipment. The period from a breakfast at seven or half past seven, to a dinner at half past two or two, is too long for growing young people, (especially when they are also studying) to go without a fairly substantial lunch. Few bring a lunch and those who would buy one find at hand little that is suitable on the score of wholesomeness and digestibility. As the cost of a suitable outfit would not exceed fifty dollars and as the arrangement would be self supporting I hope the committee will decide to carry out the suggestion.

It is to be hoped that the time is not far distant when much shorter intervals between promotions will be established and also an adjustment of schedule whereby pupils whose work is excellent in some studies may be allowed to advance in these studies and not be required to do their excellent work over again because of deficiency in some other studies. The school will then much more adequately meet the needs of its pupils. This suggestion is not based upon theory alone but also upon the success of the plan in other cities.

A High School building with its equipment represents a large investment and the running expenses, the interest on a large capital. Does the community which furnishes the funds get adequate returns if the building and its resources are available for only five hours a day for about a hundred and ninety days a year? Should not larger returns be expected if they can be secured not only without impairing the present usefulness of the

school but also with even an accession of strength to the school? These larger returns can be secured by making the building, as far as practicable, the centre of the interests of pupils (and of parents as well) outside of the regular school hours. I hope before long to suggest definite ways in which this may be done.

The registration of the school for the term ending Dec. 20th was three hundred and eighty three, a larger registration than for the similar term in any of the past five years. This increase occurs although the entering classes for the past four years have been smaller than usual. In these years the Grammar schools have graduated fewer pupils but the percentage of Grammar graduates who enter the High School is higher than the average of the past eleven years. The present size of the school indicates unmistakably, therefore, that it holds its pupils better than in past years. In conclusion I would say that our High School maintains an excellent standing among the High Schools of the state and that a more intimate knowledge of the excellent work done by the teachers would deepen the confidence of the community in it.

Respectfully yours,

CHARLES S. MOORE,

Principal.

Report of the Supervisor of Drawing.

*To Mr. William E. Hatch,
Superintendent of Schools.*

Dear Sir:—In rendering a report of the work in my department, I wish to make a few statements concerning the aim of the work as a whole, and its various branches.

The subject as now taught is not Drawing but Art Education. Drawing is merely the means of expression, the language. A drawing may show the appearance of an object or may convey facts of form, size and structure. Higher than these is drawing to express creative energy, to picture ideal beauty.

The tendency of instruction in years past was to give knowledge of facts, to strengthen the memory, to train the mental capacity, to induce correct habits of speech, through such studies as Geography, History, Arithmetic and Language. These were considered the essentials in education, and they trained the child in matters of ordinary intelligence. They ministered to his immediate wants. Did they necessarily make him more courteous, more refined? Did they appeal to his higher moral and spiritual sensibilities? In course of time Music and Literature were added. It was recognized that the child has in his being a chord that responds to harmony of tone and that by playing upon it he is uplifted and has a new sense of enjoyment. By reading the best authors his thought is quickened. He can travel out in imagination and grasp new ideas; perhaps some day he may create ideas as beautiful.

Drawing, when adopted as a legitimate study in the school curriculum, was considered chiefly from the standpoint of its industrial value. Its close connection with the bread and butter problem was the argument for its introduction. Gradually it has passed from its utilitarian aims to a higher usefulness, that of creating spiritual power. Previously it had trained the eye and the hand; it had developed the mind. It must now awaken the soul. It may be questioned whether this is too high an aim for a public school education. Surely a harmonious development is desired. To give healthful exercise to every faculty, to stir the best energies for good, to develop an appreciation of that which is highest and most beautiful, and thus to lift the child above the hard drudgery of life, this, it seems to me, leads to true culture.

With this aim for Art Education, what has been done to raise it from its former level? It is still carried forward in its three lines—Representation, Decoration, Construction, but into each of these we are compelling the child to put more of his own personality, appealing to the imagination through a study of the beautiful and through creative activity.

To be able to express his creation the child must have practice in quick sketching; he must grasp ideas of proportion and direction; he must learn to portray action and to picture an idea. This can be accomplished only by thoughtful study and much drawing, not the same thing over and over, but each time with some change to quicken observation and present new conditions. Through a study of space relations in historic ornament and elementary composition, ideas for planning his creation are gained that it may have the right form to make it pleasing. Through a study of color standards and practice in the mixing and use of pigments, the sense of color and color values is cultivated. The color boxes placed in the

schools this year have given a new impetus to this study; and the use of the brush in color and in ink promises greater strength of rendering than was secured with the pencil alone. In construction the work as never before is coming in touch with the useful and beautiful inventions of the industrial world. Instead of stepping aside to make room for the newer branches, construction has itself become more dignified, so closely related is it to creative thought, and the line between the so-called useful and fine arts is fast disappearing.

To create beauty, the child should live in an atmosphere of beauty. He should have for models in object drawing, in addition to the type solids, objects as beautiful in form and color as it is possible to obtain. He should see sketches of artistic merit; he should study the best examples of architecture and ornament; he should become acquainted with the world's masterpieces in sculpture and painting. The many illustrations needed are largely secured through the use of drawing books containing reproductions of masterpieces. An advantage from these is that at the end of the year they find their way into the homes, bearing a message of love and beauty, thenceforth to become a part of the home environment.

Picture study has come to be considered an important factor in education. Before being given to the child, pictures should be carefully studied by the teacher. Like books, pictures differ greatly in value, and only the best are worthy to be placed before the little child. He should not always be required to express his thought regarding the picture as a story is sometimes reproduced, but pictures are given to awaken voluntary thought. Oftentimes the best results will follow if the child is left to study the picture until its meaning sinks into his soul. When once the child's attention has been thus directed, a world of never ending delight will have been revealed to him.

It is agreed by all educators that works of art should be placed in the schools, not to decorate the walls and corridors, but as silent witnesses, which, by their testimony lead the pupil out of the material and commonplace into the spiritual and ideal. Endorsed by the Superintendent, a well organized effort in this direction has been made by the teachers. The standing committee appointed by them reports great interest in the undertaking. The work now in progress is that of cataloguing works of art already in the schools and of gathering data from which a suitable list of pictures and casts may be made, this list to be consulted in making future purchases. This is but a beginning of the work in view. The prompt response of the school board in the appointment of a committee on art to co-operate with the teachers' committee gives assurance that the hopes of this organization will be realized.

The introduction of water colors and picture study to an already well filled course has added to the difficulty of covering the subject in the given time. The time devoted to it, one hour in the primary and one and one half hours in the grammar grades, is not sufficient. The length of time apportioned to each subdivision permits only limited and often superficial instruction, and much strength of technique cannot be expected. If some of the branches were omitted the balance of the whole is lost. This subject requires the time necessary to develop thought, and in addition time to express the thought and practice to secure skill.

The number of schools in New Bedford has increased to such an extent during the past few years, that the time of the supervisor is of necessity largely taken up in visiting schools and in attending to the details of the work. More time devoted to principles and their application, and less to details would materially increase the value of the work performed.

The teachers, as always, have been earnest and untiring in their labors. During the past year much of the work has been new and has demanded more study than in previous years. It seems hard to add to their already heavy burden by asking them to attend optional meetings for drawing and painting, but this they have willingly done. Without their hearty co-operation and sympathy, the work could not, in the best sense, be successful.

To the Superintendent of Schools I feel especially grateful for the broad attitude he has ever taken toward this branch of education, and for the ready support he has at all times given it. His kindly influence has been felt throughout and has made possible each year an advance over the preceding year.

Respectfully submitted,

MARY W. GILBERT,

Director Art Education.

Report of the Supervisor of Music.

Mr. William E. Hatch,
Supt. of Public Schools.

Dear Sir:—In compliance with your invitation, I submit the following report:

It has afforded me much gratification to note the progress made in music in the schools of New Bedford during my eight years of service here. When I came the pupils in the primary grades were kept on the undivided beat, and not until they reached the fifth grade did they study the divided beat, an easy element in time.

When pupils have been kept for four years on music in which the beats are not divided, this is rather hard for them, but taken up in the first year where it naturally belongs it is more easily mastered.

Two years ago, I asked to be allowed to try some original methods in three of the first grades and the result was so successful that I was permitted to introduce them into all the first grades last year, though at my own expense. At the same time, the second grade at the Mary B. White school, in charge of Miss Pearce, continued the work through the second year, and the results were so far in advance of any before reached that I was allowed to put the work into all the second grades.

Thus far, I have heard many words of commendation from the teachers, but not one adverse criticism.

As these methods differ from others now before the public, a brief description of them may not be out of place.

Other methods begin with the teaching of the scale by rote, as a tune, and are generally followed by exercises with two sounds of the scale, 1 and 2, then with three sounds, 1, 2, 3, etc. Any two consecutive sounds of the scale sung or played together make a discord; consequently, when the scale is taught stepwise, as usual, the discordant element comes first, or the difficult, not the easy, takes precedence.

My method of teaching the scale is to develop it chord-wise through a series of rote songs.

Song 1 contains only one sound of the scale; Songs 2 and 3 have the first and fifth sounds; Song 4 introduces the third sound of the scale, completing the tonic triad, the most important of the chords, or triads. In Songs 7, 8, 9, and 10, the full four-voiced chord (1, 3, 5, and 8) is used. Songs 11, 12, 13, and 14, contain, besides the tonic triad, the next in importance, the dominant triad, made up of the fifth, seventh, and second sounds of the scale. Songs 15, 16, and 17, in addition to the above, contain the subdominant triad, made up of the fourth, sixth, and eighth sounds of the scale. These three triads are all major triads, and contain all the sounds of the scale. The pupils are now taught Song 18, which has the complete scale. Thus the scale is developed in a natural way through the three more important concords; viz., the tonic, dominant, and subdominant triads. When the pupils have learned Song 4, it is time to begin to study the intervals by the use of the syllables. At first "do" and "sol" are studied, using Songs 2 and 3 as a basis of development. The syllable "mi" is learned through Songs 4 and 5.

There are in present use three systems of musical notation; viz., the Staff notation, the Tonic Sol Fa notation, in which letters take the place of the staff for indicating pitch, and the Chev  method, in which figures take the

place of the staff for representing the pitch. I have chosen the figure notation of the Chevé method, using a system of my own for indicating the time. The staff notation contains so many difficulties that many teachers are beginning to realize that a much less complicated system is needed for children under six or seven years of age. The pupils very soon learn that 1 stands for "do", 3 for "mi", 5 for "sol", and $\dot{1}$ (with a dot over it) for 8, the high "do". A short line over a figure stands for a one-beat note, two lines for a two-beat note, etc. In a short time by the use of this method, pupils will learn to sing tunes using the principal, or the strong sounds of the scale, in two-part, three-part, and four-part measure in all the major keys. This is called the first step. Having accomplished this, I take up the remaining sounds 2, 4, 6, and 7 called the leaning sounds, and teach them in the order of their importance. For example, I take "4" first, and teach it in all combinations (through the different keys) with 1, 3, 5, and 8. In this, the second step six-part measure is taken up. Next, in the third step, "7" is studied in the same manner through all the keys in all combinations with 1, 3, 4, 5, and 8. The fourth step takes up "6" (the key note of the minor scale), and "2" is left for the fifth step. The beat divided into two equal parts follows the fifth step, and completes the first year's work. The pupils have learned between twenty-five and thirty rote songs, have sung one hundred exercises in all keys, have had all the combinations of intervals without using chromatic sounds, and have become familiar with two-, three-, four-, and six-part measures.

The work done in Miss Pearce's second grade last year was a continuation of this outlined above, with more of the divided beat, and time corresponding to the dotted quarter and eighth notes in two-four, three-four, and four-four measures. In addition to this her pupils trans-

posed the figure notation to the staff notation in the nine major keys. I consider this valuable practice. The work as prepared for the teachers this year and now being done by them, will I think place our second year pupils on a par with the third year grades in other cities. I shall be disappointed if this is not the case.

In the third and the fourth grade the work was better last year than in previous years. In the fourth grade, the pupils sing in two parts in the nine major keys, doing practically the work that was being done in the sixth grade when I came here, and doing it just as well.

The fifth grade teachers have done excellent work, continuing the study of two-part songs in the nine major keys with the common accidentals, sharp four, and flat seven frequently used, and other chromatic sounds occasionally employed.

In the sixth grade, we have followed closely the German custom of teaching the harmonic relations of sounds; that is, major and minor seconds, thirds, sixths, and sevenths, perfect, augmented, and diminished fourths and fifths, major, minor, and diminished triads, etc. I believe this the best plan to pursue, since it gives the pupil a better musical training; but it requires time and some effort on the part of the pupils, and perhaps it will be advisable to drop it altogether, and give the whole time to the study of two-part songs in the nine major and their relative minor keys.

The pupils of the seventh grade take up the study of songs in three parts, and their work was very satisfactory last year. To have good three part singing, that is, singing in which the three parts can be distinctly heard without an effort on the part of the listener, is not a matter that can be easily accomplished unless the pupils have had good training in the lower grades. It gives me pleasure to state that the seventh grade teachers are succeeding

admirably in this, and good three-part singing can be heard in any seventh grade in the city.

In the eighth and ninth grades, the classes are divided into four parts; the boys whose voices have changed sing the bass, and the rest of the boys take the alto, while the girls are divided into two parts, first soprano and second soprano.

As the bass voices are few and rather weak, the alto part runs generally in octaves with the bass, to strengthen it. In the ninth grade, it will be found stronger as more voices have changed, and the older ones have grown firmer. It is, however, a difficult matter sometimes to get a fair bass in either of these grades, owing to the number of voices in process of changing, and this sometimes extends through the first year in the High School. Many boys lose interest in singing while this change is taking place, and great care must be exercised in the use of the voice during this period. The voice must not be forced, as there is great danger of ruining it; many teachers advise the discontinuance of singing at this time. A great deal might be said on this subject, but this is enough to show that volume of tone on the bass part is limited, and this in a measure affects the other parts, as one part must not overbalance another. In the eighth and ninth grades, the singing is very satisfactory considering these unavoidable drawbacks. In fact, nearly every pupil of these grades sings unless excused on account of the change.

I am pleased to say that my suggestions and directions are very ably and kindly carried out by the regular teacher, and that each succeeding year better results reward the untiring efforts of these faithful workers.

In the High School, the work of last year was better than that of any previous year. The classes sing four-part songs, glees, and choruses, but no technical work, so

called, is being done in the High School. We are considerably handicapped by the lack of needed material. The book used now was in the pupils' possession when I came here, eight years since; as it is the only one used by the four classes, it gets to be an old story long before graduation, and little relief is felt by our very small stock of supplementary music. In many High Schools they use such leaflets as the "Coda" and "The Beacon Series", instead of a singing book. The only objection to this form of music is that it is easily torn, unless bound. A new book would do much toward creating greater interest in music in the High School.

Respectfully yours,

FRED H. BUTTERFIELD,

Supervisor of Music.

Report of Supervisor

OF

Nature Study in Primary Grades.

Mr. Wm. E. Hatch,
Superintendent of Schools.

Dear Sir:—In compliance with your request, I herewith present the following report of Nature Study in the Primary schools.

The question that is asked more frequently than any other is, "Of what advantage is Nature Study?" In answering this seemingly simple question, let me endeavor to explain the aim, and the method of carrying on the great work that has been undertaken for the sake of the children.

The study of Nature rests primarily on observation, and this on accurate sense perception. If we limit the advantage of Nature Study to this, we have made only a beginning. The child's observation should be the starting point, but the cultivation of judgment and imagination are of equal if not greater importance. Nor is this all, for, as Mr. A. C. Boyden so admirably expresses it, "This work should, above all else, lead into a strong love of Nature, an appreciation of the beauty, harmony, adaptation, and plan in the world about us; a sympathy for all living things, which manifests itself in thoughtful care and kind treatment. As the child understands his own environment he is prepared to appreciate geography as the study of the home of man. The

thought of the life throbbing through the plant and animal, and of the forces at work about us, all in perfect harmony, and for definite purposes, are suggestive of infinite love. Such thoughts are among the loftiest that can possess the human soul."

For the material with which to work we are dependent upon our environment, and each month brings its own special work in this way :

<i>September,</i>	The Autumn Flowers. Insects and Flowers.
<i>October,</i>	Leaves.
<i>November,</i>	Fruits.
<i>Dec. and Jan.,</i>	The Evergreens.
<i>February,</i>	Domestic Animals. Soil-forming Minerals and Soils. Building Stones.
<i>March,</i>	Buds.
<i>April and May,</i>	Germination.
<i>June,</i>	Spring Flowers.

Since the same material must be used by all the primary grades, it becomes necessary to so plan the work, that, beginning with the lowest, there shall be some special Nature truth to be worked out in each grade. During the first year, the work for the little ones is confined to Recognition of Common Animals and Plants; in the second year it is, The Life History of Flowers, Leaves, etc. In the third year, The Arrangement of Parts; in the fourth year, Grouping of Flowers, Leaves, etc., as a direct preparation for geography. In this way the child's interest in, and appreciation of familiar objects is increased by leading him to discover new truths in relation to them, year by year.

With the first and second grades the work is necessarily purely oral, and there is no better subject for language training. With the third and fourth we are able to do a little more for the children, by giving them an opportunity for independent observation work. Questions for the third, and topics for the fourth are used as a means of guiding the children while making their observations, and also to lead to exact expression. When the child has completed his records, he is given an opportunity to read and compare his work with that done by the other members of his class. This stimulates their interest, arouses them to greater effort, and strengthens the desire to be self-reliant. Another point in favor of this plan, is the avoidance of the great danger of letting information take the place of observation.

In every instance where the teacher, herself, has comprehended the inestimable value of the work, the result has been a most noticeable increase in power to do independent thought work, not only in this, but in all other subjects. In order that the true Nature spirit may dominate the work, all examinations that call for mere review work, or drill in technical terms, should be avoided. Such exercises belong under the subject of language training. We are not striving to teach science, hence we use only such simple scientific terms as are necessary for clear and exact expression of thought.

Realizing that very many of the teachers have had no special preparation along these lines, the work for each grade has been laid out by the month; at the teacher's meetings the subject matter has been explained as fully as time allowed.

Owing to the increase in the number of Primary schools, I am able to visit each room but once in five weeks. It has been my purpose to start the work for each teacher, then to carefully follow her in its details,

ready to help with suggestions, or give lessons, as the occasion demanded. In every instance, I have found the teachers most willing to co-operate with me, and I wish to thank them for their earnest efforts to make Nature Study a great educational factor in our public schools. Your kind assistance and appreciation of the work done by the teacher has been of great service during the year.

Respectfully submitted,

CAROLYN D. WOOD,

Supervisor of Nature Study in the Primary Schools.

Report of Supervisor of Sewing.

Mr. Wm. E. Hatch,
Superintendent of Schools.

Dear Sir :—At your request I submit a report on the work of the Sewing Department. This report covers the period between September, 1897 and July, 1898. It is a statement of the work actually performed in that time.

PRIMARY—FIRST YEAR.

Class drills were given on

Finger exercises, to render the fingers flexible.

Proper position while sewing.

Correct use of the needle in connection with the thimble.

Holding and moving the needle as in sewing.

Threading the needle and making a knot.

The first principles of sewing were then taught, in easy lessons on a printed sampler of unbleached cloth.

The stitches here taught were three kinds of basting, close stitching, back stitching, and over casting and their use.

How to fasten the thread to the cloth to begin sewing neatly and securely, using no knots; to join a new thread and to fasten the thread firmly when finished were also taught.

Calico work bags were then made on which the stitches already learned were applied.

PRIMARY.—SECOND YEAR.

After a general review of the first year's work, new and more difficult stitches were taught on another printed sampler.

The new stitches here taught were running or gathering, oversewing, hemming stitch and how to turn and baste a hem.

For application work, sewing aprons were made on which were used all the stitches learned on both years' samplers.

[This system being a succession of progressive steps, the samplers begin with the simple and gradually advances to more difficult work.]

PRIMARY.—FINISHED WORK.

Third grade, samplers,	469.
Fourth grade, samplers,	408-877.
Third grade, work bags,	386.
Fourth grade, sewing aprons,	228-614.
Other articles,	121-1612 total.

GRAMMAR DEPARTMENT.

After reviewing the previous year's work, the unbleached samplers were begun in the Fifth Grades, on which are taught all the different kinds of stitches used in practical sewing.

This sampler is several steps in advance of the printed work.

The difficult steps are first taught on paper. Class lessons were given in the Grammar and Mill schools on

Buttonhole cutting, overcasting and working.

Hemfelling on paper and cloth.

Close stitching and back stitching.

Stocking darning and making measures.

Grammar Finished Work.		Mill Schools	
Fifth grade, samplers begun,	316.	Sewing aprons,	33.
Buttonhole strips,	1230.	Buttonhole strips,	75.
Garments,	695.	Garments,	40.
	2241.		148.

Grammar, 2241.

Primary, 1612.

Mill, 148.

Total, 4001.

Number of girls taught sewing, 1774.

Classes average time of actual work, 45 to 50 minutes per week.

COMMENTS.

From the beginning, the child is taught to prepare her own work, which necessarily requires more time to finish an article.

Sampler work is adopted because progressive lessons in sewing can be more readily taught upon short seams.

The sampler may be used as a reference for future work, since all kinds of sewing are represented thereon.

On the sampler the principles of a lifetime are learned; garments are for immediate use.

If this system is faithfully and thoroughly taught, it will be a foundation for mental training as well as a training in manual skill and cannot fail to secure good results.

The teacher should keep in mind, that learning to sew is by no means the only end to be gained by this study.

It should help to cultivate in the child neatness, accuracy, judgment, patience, economy, keen observation, the power to think for herself and to express her thoughts.

The drills given in the earlier years lead the mind to train the delicate muscles of the hands to obey directions, thus acquiring suppleness of fingers which will be a lasting benefit to the child.

Respectfully submitted,

LENA M. WILLIS,

Supervisor of Sewing.

REPORT OF THE PRINCIPAL

OF THE

MANUAL TRAINING SCHOOL.

New Bedford, February 1, 1899.

Mr. William E. Hatch,
Superintendent of Schools.

Dear Sir :—As requested by you I submit the following report, covering the Manual Training, or Sloyd work for the four years, 1895–1898 inclusive.

The Sloyd room is located in the Sylvia Ann Howland schoolhouse, Pleasant street. The room was equipped with twenty-five benches which are designed especially for school work ; the first class being received in September, 1894. Owing however to the increase in the number of pupils, five extra benches were added in October, 1897, and I think the city may congratulate itself that, for grammar school work, it possesses one of the best appointed Sloyd rooms in the state.

The total enrollment of boys for the year 1895 was 602 ; since that time there has been a marked increase in the number attending, the highest figures being reached between January 10 and December 24, 1898, the total number enrolled for this period being 690.

Pupils for Manual Training classes are drawn from the various grammar schools of the city, in which attendance at Sloyd is compulsory ; and from the High school, with the pupils of which this special branch of study is an elective. This school has furnished a small volunteer class

each year for the past three years. Ten schools are represented by the pupils in attendance at Sloyd, divided as follows :—

- 6 Classes from Fifth Street School.
- 5 Classes from Middle Street School.
- 6 Classes from Parker Street School.
- 2 Classes from Thompson Street School.
- 1 Class from Phillips Avenue School.

From these five large schools come the greater portion of the pupils. The High school, William H. Taylor, Acushnet, Rockdale, and Plainville schools each furnish a small class, varying in numbers from two to twelve boys.

At the close of each school year, in June, an exhibition has been held in the schoolroom. An added interest the past two years has been a class of boys at work during the exhibition hours, doing their work the same as in the regular school session. These boys have given before the visiting friends a practical demonstration of their ability to think and act independently. Each boy has at that time used as a guide to his work a working drawing previously prepared by himself. The making of the working drawing before beginning work upon a model is one of the prominent features in the Sloyd course. Another point of interest last year (1898) was the fact that with one exception the full set of Sloyd models, thirty-two in number, were to be found upon the exhibition tables. There were also several pieces of work designed and executed by Grammar school boys outside of the regular course. Special mention should be made of the interest shown by members of the High school class of last year; this was proven by the fact that in addition to the regular lessons the various members were present two hundred and twenty-five hours extra. High school pupils were not confined to the regular plan of work, but were encouraged to design articles of use or for ornament,

quite different from those being made by the Grammar school boys.

The discipline of the school is, I think, satisfactory. With one or two exceptions each pupil has yielded a ready obedience to such few rules as are needed for the government of the whole.

At the opening of each school session, from five to seven minutes are devoted to physical culture. Miss Burchard, the exponent of the Preece system, planning movements especially adapted to the conditions under which the exercises are taken.

It will be seen by referring to the list giving the number of classes from each school, that since September, 1898, there have been but five classes from Middle Street school, divided as follows: one class ninth grade, and two each of eighth and seventh grade pupils. The reason for the small number of classes is that two small divisions of ninth grade boys were combined in one class. Next year there will be six classes from Middle Street, the same as from the other large Grammar schools. This change will bring the number of classes up to twenty-one, to be held in twenty school sessions; and owing to the present large sixth grade that will enter the Manual Training school in September as the seventh grade, the placing of pupils from the outlying districts will be still more difficult than at the beginning of this present school year.

We have had for the past three years small classes from the High school, but the attendance has been irregular. The interest and ability shown by individual boys however was marked. For two years past the time for High school work was found by combining two divisions of ninth grade boys at either Middle street or at Parker street schools; this year the time thus obtained was assigned to the newly opened seventh grade at Phillips Avenue, the High school class being divided, and placed

with the Monday P. M. class from Fifth Street, and the Wednesday P. M. class from Parker Street schools, both of which are ninth grade classes, attending once in two weeks.

I have endeavored to make the High school work of special interest this year by placing in the course, picture frames, a book rack, medicine cabinet, with glazed doors, a table and a writing desk. All the fastenings for these pieces of work are to be wooden dowels, such as are used in cabinet work and in the use of which great accuracy is required.

The problem of caring for twenty-one classes in twenty sessions of school is a difficult one and I would most respectfully make the following suggestions :

1. That a hall, or a floor in some large building be obtained, and divided into three rooms, two to be fitted for the Sloyd work of the Grammar schools, and the third to be supplied with proper desks and lathes for High school work ; which must be a special course, quite in advance of the Grammar school Sloyd ; and should include turning and pattern making. The older boys are outgrowing the work being done by the boys in the lower grades, but if more difficult problems are introduced ; especially if lathe work is given them, a lively interest will be awakened.

2. That an assistant teacher be appointed and that, instead of two and a quarter hours per fortnight as at present devoted to Manual Training, that the seventh and eighth grades be given two hours per week, the same as in other cities. The ninth grade to continue as at present to attend once in two weeks. With the twenty-one classes expected in the next school year, and this proposed arrangement in force, thirty-six of the forty sessions per fortnight would be assigned, the four remaining sessions might be divided among High school boys.

It has been a source of regret to me that there has been no opportunity to enter the mill school boys for the Manual work. There are at present more than sixty boys in these mill schools; the girls from which have had the benefit of the cooking school for a number of years. Why should not the Mill school boys have the Sloyd? They are a class of boys to whom such training would be of inestimable value; teaching as it does, habits of order, self reliance, perseverance, industry, honesty in workmanship, accuracy in measurements and in the execution of work, and economy in the use of such material as may be given them to work with. Neatness of person is also insisted upon, and a soiled piece of finished work is almost unknown at the Sloyd class.

If cooking is furnished for the Mill school girls, is it not unjust to deprive the Mill school boys of the Sloyd training? These boys are to be the bread winners of families in the future years and it seems to me that an important and practical element of their education is being withheld from them.

Much to the discouragement of the advocates of Sloyd training, this course of study is very generally misunderstood, and is looked upon as a stepping stone to the trade of the carpenter or the cabinet maker. If the parent of this city holding such views should visit the Sloyd room to which his child, or the children of his friends, are assigned, he would I think appreciate the chance for full development, mentally, morally and physically, placed within the reach of each pupil. In order that the aims of Sloyd training may be more fully understood I quote the following from a lecture of Otto Solomon, Principal of the Sloyd Normal Training School at Nääs, Sweden. He reviews the aims of Sloyd from the standpoint of the educator, and from that of the utilitarian. The claims of the advocate of Sloyd, and of its value to the child during the formative age, are as follows:

- "1. To instill a taste for, and a love of, labor in general.
2. To inspire respect for rough, honest, bodily labor.
3. To develop independence and self-reliance.
4. To train in habits of order, exactness, cleanliness, and neatness.
5. To train the eye and sense of form ; to give a general dexterity of hand, and develop touch.
6. To accustom to attention, industry, perseverance, and patience.
7. To promote and develop the physical powers.

The utilitarian aims in Manual Training :

1. To directly give dexterity in the use of tools.
2. To execute exact work."

Will the friends of the new education analyze the aims of the advocates of these two classes of education? The aim of the teacher of educational Sloyd is: the all round development of the boy. The aim of the utilitarian is that the boy may acquire manual dexterity and deft-fingered quickness. Such training is of value in fitting the boy for some special trade work. With such results only the teacher of Sloyd with the future welfare of his pupils at heart, will never be satisfied.

Respectfully submitted,

EDWIN R. KING,

Instructor of Manual Training.

REPORT

OF THE

Principal of the Cooking School.

Mr. William E. Hatch,
Superintendent of Schools.

Dear Sir:—In accordance with your request I submit the following report of the work of the Cooking School.

Instruction is given to the girls of the eighth and ninth grades of the Fifth street, Middle street, and Parker street schools, Rockdale and Acushnet Village, to optional classes from the High school, and to a class from each of the Mill schools. The time allowed is one-half day in each fortnight, each class, by alternation of periods, receiving one morning and one afternoon lesson during each month.

During the first year especial attention is given to cleanliness, and to systematic and orderly arrangement. After a preliminary lesson on the care of the fire (with the principles of combustion) and the care of the kitchen and utensils, the several food principles are studied in turn, using typical food materials and applying the simpler methods of cooking to illustrate the effect of heat upon them. The aim of the instruction is to train the girls in exactness and neatness, and the exercise of judgment, calling into play the executive faculty required to bring the preparation and cooking within the specified time. When a girl finds it necessary to refer to the ta-

bles of weights and measures, or to apply the principles of mental arithmetic to prepare a fraction of a receipt, she is being led to appreciate the interdependence of all branches of her training.

The course for the second year follows the same general outline as that given in the first, the more complicated methods of cookery being taught. Lessons are given on special processes, such as preservation of fruit, use of "left-overs", simple and wholesome desserts, table setting and serving.

The course given to the Mill classes is practically that given to the eighth grade, adapted to meet the conditions of these classes. While such instruction ought to be of more value to these classes than to any other, the work is badly hampered by the constant change in the membership of the class. These girls are without exception interested in the lessons, though few of them have an opportunity for home practice.

The third year work is given to optional classes from the High school, and comprises the preparation and serving of complete meals.

In all of the classes, the girls are encouraged to repeat at home the receipts used in the lessons, reporting and discussing results, at each lesson. The great majority of the girls are eager and interested, some repeating (often a number of times) almost every dish prepared. A few of the girls "do not like to cook", or report that they cannot have the privilege of so doing.

In cooking, as in all manual training in the public schools, the educational element is to be distinguished from the art. The aim should be to teach, not a pleasing variety of attractive and palatable dishes, but the *principles* of cooking, and the pupil should be led to recognize these principles in any receipt that may be attempted.

The disadvantages of the present system are threefold :

1st. The use of the group method.

2d. Too great a variety of work is included in one lesson.

3d. Too long a period of time intervenes between the lessons.

In the group method, three or four girls work together to prepare one dish. Under these conditions it is not possible for a pupil to gain as full knowledge of a process as if she had actually performed each part of the work herself. Unless the classes are much smaller than is usual in a public school kitchen, individual work is not possible.

Most of the lessons include the preparation of a number of different dishes, each group of three or four following a different receipt. This causes confusion and a loss of power, in the teacher, as well as in the pupil. It is obviously impossible for a girl to attend closely and intelligently to the work assigned her own group and at the same time observe the work carried on in the other groups. If the same work is being done by each group of girls, there is nothing to distract attention from the work in hand, and by comparison of final results, the benefit of the experience in several cases may be gained. The present equipment of the kitchen does not admit of the latter plan being carried out. Some additional utensils would be required, the expense of which would not be considerable and the results should justify the outlay.

To have the lessons more closely connected, not more than one week should intervene. If the additional time cannot be spared from other studies, it might perhaps be better to confine the work to one year instead of two, the lessons then being given every week. Under the present system, it would be a distinct advantage if the science work as given in the schools could be brought into closer relation with the lessons in cooking. Much of the work

which should be given in connection with the lessons in cooking, might be given in the regular class room, either by the teacher of cooking or in connection with the regular science lessons, these lessons, during the years while cooking is being taught, being made to include domestic science—a subject which should be of interest and value to the boys as well as to the girls. Lessons on Combustion are now given in the science work in the seventh grade. Time would be saved and a stronger emphasis given to the subject if the practical lesson in the kitchen closely followed.

The High school pupils, coming to the kitchen after their full regular session, desire the recreation of pleasant bodily exercise rather than continued mental exertion. The course for these classes has therefore been planned to teach the preparation and service of complete meals, and in the time allowed is necessarily mainly technical. After the Grammar school work, attention should be given to the chemistry and economy of foods, the determination of waste and refuse in food, the calculation of food values and compilation of dietaries, using laboratory methods. Such work ought to be included with and placed on an equal footing with the other courses instead of being considered as an extra study or outside amusement. The value of such work in a High school course is being shown in many cities, especially in Massachusetts.

Any change in the system in the directions indicated will necessarily involve increased expenditure, but if the subject is worthy of a place in the curriculum, it is surely worthy of every effort to put it on a footing which will yield the best results.

Respectfully submitted,

ELIZABETH C. SPRAGUE.

LIST OF TEACHERS AND JANITORS

With Their Addresses and Salaries.

HIGH SCHOOL.

Summer Street, between Mill and North Streets.

Charles S. Moore, Principal,	6 Clinton Place,	\$2,750
William K. Norton, Sub-master and Math'l Teacher,	351 County street,	1,600
Charles T. Bonney, Jr., Classics and Science Teacher,	343 So. Orchard street,	1,600
Charles R. Allen, Science Teacher,	276 Union street,	1,600
Ernest V. Page, Commercial Teacher,	115 Mill street,	1,500
Lydia J. Cranston, Assistant,	129 Elm street,	1,000
Elizabeth P. Briggs,	"	
Absent on leave,	37 Morgan street,	900
Kathrina W. Sanborn,	"	
Supply Teacher,	87 Court street,	700
Mary E. Austin,	" 512 Kempton street,	900
Lucretia N. Smith,	" 443 Cottage street,	900
Emma K. Shaw,	" 72 High street,	900
Helen L. Hadley,	" 220 Grinnell street,	900
Mabel W. Cleveland,	" 81 North street,	900
Emma H. Parker,	" 29 Fifth street,	850
Katharine M. Crabtree,	" 29 Fifth street,	800
Edmund E. Baudoin, Milit'y Inst'r,	92 Washington street,	300
Sarah D. Ottiwell, Clerk,	184 Kempton street,	600
James A. Wood, Janitor,	209 Purchase street,	1,000

GRAMMAR SCHOOLS.

FIFTH STREET:

Fifth street, corner of Russell.

Grade.		
Allen F. Wood, Principal,	111 Acushnet avenue,	1,900
9 Lydia A. Macreading, Assistant,	33 Bonney street,	675
9 N. Emma Slack,	" 79 Fifth street,	675
8 Mary E. Allen,	" 78 Court street,	600
8 Sarah E. Stoddard,	" 352 County street,	600
7 Emma A. McAfee,	" 63 Fifth street,	600
7 Mary W. Leymunion,	" 56 So. Emerson street,	600
6 Annie C. Hart,	" 54 Fourth street,	600
6 Mary A. Kane,	" 127 Grinnell street,	600
5 Grace L. Carver,	" 62 Bedford street,	600
5 Lottie M. Allen,	" 118 Fifth street,	600
Henry T. Philips, Janitor,	310 So. Orchard street,	700

MIDDLE STREET.

Summer Street, between Elm and Middle Streets.

Grade.

George H. Tripp, Principal,	Fairhaven,	1,900
9 Lucy B. Fish, Assistant,	87 Court street,	675
9 Lucy F. Winchester,	" Fairhaven,	675
8 Etta M. Abbott,	" 233 Middle street,	600
8 Anastasia O'Keefe,	" 35 Mill street,	600
7 Lizzie E. Omev,	" 63 Thomas street,	600
7 Julia C. Gifford,	" 18 Bedford street,	600
6 Clara S. Vincent,	" 233 Middle street,	600
6 Helen McCoy,	" 16 Fifth street,	600
5 Ida M. Clement,	" 175 William street,	600
5 Elizabeth D. Hicks,	" 98 Hillman street,	550
Leroy G. Tripp, Janitor,	59 Kempton street,	700

PARKER STREET.

Parker Street, near County Street.

Arthur F. Gilbert, Principal,	87 Court street,	1,900
9 Anna L. Jennings, Assistant,	215 Maxfield street,	675
9 Helen Ring,	" 271 Union street,	675
8 Mabel A. Valentine,	" 15 Washington street,	600
8 Susan H. Lane,	" 120 Chestnut street,	600
7 Regina M. Paul,	" Cor. Summer & Pope sts.	600
7 Clara J. Wetherell,	" 157 Kempton street,	450
6 Mary L. Pettey,	" 22 Pope street,	600
6 Emily A. Delano,	" East Freetown.	600
6 Angie M. Lurvey,	" 11 Fifth street,	550
5 Daisy M. Butts,	" 116 Willis street,	600
5 Mariana N. Richmond,	" 34 High street,	600
5 Lillian T. Thomas,	" 1 Willis Court,	600
John Corish, Janitor,	86 Mill street,	700

THOMPSON STREET.

Thompson Street, corner of Crapo Street.

7 Alice C. Munsey, Principal,	49 Fifth street,	\$1,200
7 Agnes M. James, Assistant,	56 Fourth street,	550
6 Cora B. Cleveland,	" 81 North street,	600
6 Lizzie M. Briggs,	" 351 County street,	600
6 Grace E. Weeks,	" 175 William street,	600
5 Mary A. Macy,	" 90 Bedford street,	600
5 Grace W. Glines,	" 94 Elm street,	550
5 Annie L. Murkland,	" 55 Walnut street,	475
5 Anna H. Bartlett,	" 55 Fifth street,	475
James T. Heron, Janitor,	174 Fourth street,	700

PHILLIPS AVENUE :

Phillips Avenue, corner Bowditch Street.

GRAMMAR DEPARTMENT.

Grade.

7 Agnes J. Dunlap, Principal,	131 Summer street,	\$1,050
6 Clara M. Woodward, Assistant,	Acushnet ave., n. Nash road	600
5 Alice A. Richardson, "	Hathaway road,	600
5 Susan Gifford, "	Fairhaven,	475

PRIMARY DEPARTMENT.

4 Louise M. Newhall, Assistant,	232 Pleasant street,	550
3 Ida A. Ricker, "	80 Morgan street,	550
2 Helen K. Covill, "	27 Lincoln street,	425
1 Helen I. Boyd, "	80 Morgan street,	550
Janitor, John H. Rudge,	131 Merrimac street,	700

PHILLIPS AVENUE ANNEX :

5 Helen T. Maxwell,	Fairhaven, Mass.,	425
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HARRINGTON NORMAL AND TRAINING SCHOOL :

Court street, corner of Tremont street.

Josephine B. Stuart, Principal,	417 Union street,	1,700
Mary E. Trask, Vice-Principal,	79 North street,	1,100
Carolyn D. Wood, Normal Teacher and Nature Supervisor in Primary Grades,	157 Kempton street,	900
6 Kate Moore,	105 Park street,	600
4 Mary J. Reed,	10 Maple street,	400
2 Grace W. Russell,	417 Union street,	550
1 Harriet S. Ashley,	16 Crapo street,	400

SENIORS—to graduate in December :

Ethel Bliss,	233 Arnold street,	132
Kate W. Chase,	10 Fair street,	132
Edith L. Cornish,	77 Bedford street,	132
Adelaide M. Cota,	85 Morgan street,	132
Emily W. Davis,	cor. Bay and Ward streets,	132
Mary E. Gleason,	276 Fourth street,	132
Louise E. Hicks,	98 Hillman street,	132
Bertha E. Jenney,	25 Arch street,	132
Catherine A. McGuinness,	185 County street,	132
Lulu F. Ryder,	134 Willis street,	132
Mary L. Sisson,	183 Grinnell street,	132
Mary W. Snow,	68 Parker street,	132
Annie H. Taber,	257 Pleasant street,	132

JUNIORS :

Elizabeth C. Carter,	311 Middle street.
Annie J. Chase,	11 Chestnut street.
Alice B. Church,	68 Forest street.
Mary Cunningham,	131 So. Second street.
Annie P. Dugan,	130 So. Second street.
Mary Gibbons,	1 Penniman street.
Helen C. Hervey,	578 County street.
Elizabeth Hurley,	232 Sawyer street.
Amelia A Murray,	319 Park street.
Charlotte G. Tourtelotte,	65 Walden street.
Eudora K. Barry,	285 Cedar street.
Elizabeth A. Dunn,	81 So. Chancery street.
Mabel I. Paine,	87 State street.

KINDERGARTEN DEPARTMENT :

Wilhelmina Humbert,	95 Elm street,	\$550
Ada S. Blake,	183 Kempton street,	425
Janitor, Robert Arnett,	141 Tremont street.	800

PRIMARY SCHOOLS.

ACUSHNET AVENUE :

Acushnet Avenue, near Grinnell street.

Grade.

Jane C. Thompson, Principal,	South street,	750
4 Sarah E. Kirwin, Assistant,	101 Sixth street,	550
3 Nellie A. Walker, "	64 Russell street,	550
3 Mary C. Barstow, "	337 So. Orchard street,	550
3 Ella W. Keene, "	131 So. Second street,	450
2 Carrie S. Silva, "	81 Washington street,	550
2 Margaret H. Holmes, "	661 County street,	550
2 Harriet L. Cornell, "	163 Middle street,	550
1 Lida J. Brightman, "	111 Acushnet avenue,	550
1 Julia M. Pilling, "	96 Sixth street,	550
1 Silvia W. Paulding, "	76 Sixth street,	450
Janitor, Samuel S. Broadbent,	74 Rockland street,	700

I. W. BENJAMIN :

Division street, between Acushnet Avenue and Second street.

Jane E. Gilmore, Principal,	245 Acushnet avenue,	875
4 Nellie W. Davis, Assistant,	115 Summer street,	550
4 Lila D. Haney, "	106 Fourth street,	550
3 Hannah E. Norton, "	52 Locust street,	400
3 Alice A. Taylor, "	299 County,	550

3 Marion H. Swasey,	Assistant,	25 So. Emerson street,	\$550
2 Flora A. Pearl,	"	74 Walnut street,	550
2 Sophie T. Anthony,	"	180 Fourth street,	550
2 Florence M. Anthony,	"	208 Grinnell street,	425
1 Annie C. O'Connor.	"	299 County street,	550
1 Mary F. Livingston,	"	319 Cedar street,	550
1 Emma L. Gartland,	"	9 Washington street,	550
1 Laura C. McCabe,	"	153 Grinnell street,	550
Janitor, Edwin S. Tallman,		104 Acushnet avenue,	800

I. W. BENJAMIN ANNEXES:

Meaney's Block, corner South Water and Division streets.

1 Mary E. Boardman,	Assistant,	54 Weld street,	400
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South Primitive Methodist Church, County street, near
Thompson street.

1 Cecilia A. Deane,		77 Fifth street,	425
1 Mary E. Ward,		433 Purchase street,	500
Janitor, Dennis J. McAuliffe,			\$10 per week.

CEDAR STREET:

Cedar street, corner of Maxfield street.

4 Annie S. Homer, Principal, absent on leave,			
		117 Hillman street,	650
4 Hattie L. Finlan, Acting Principal,		186 County street,	625
3 Bessie P. Peirce,	Assistant,	Hathaway road,	550
2 Annie L. Edwards,	"	62 North street,	550
2 Abbie D. Whitney,	"	59 Hill street,	550
absent on leave,			
2 M. Beulah Edwards,	"	3 Lincoln street,	550
supply teacher.			
1 Mabel L. Hathaway,	"	3 Lincoln street,	550
1 Ruth M. Tripp,	"	399 Union street,	550
Janitor, Robert J. Moncrieff,		42 Hazzard street,	600

CEDAR STREET ANNEX:

In Spruce Street Church.

3 Edith M. B. Taber,	Assistant,	82 Walden street,	550
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CEDAR GROVE STREET:

Cedar Grove street, near Acushnet avenue.

Maria B. Clark, Principal,		114 Mill street,	900
4 Kate Sweet,	Assistant,	287 Kempton street,	550
4 Minnie C. Ritter,	"	154 Rotch avenue,	550

3 Alice P. Winchester.	Assistant,	49 William st., Fairhaven,	\$550
3 Julia W. Corish,	"	86 Mill street,	550
3 Agnes D. Allen,	"	35 Chestnut st., Fairhaven.	425
2 Annie G. Brawley,	"	68 Walden street,	550
2 Sara Peckham,	"	16 Fifth street,	550
2 Mary P. Brownell,	"	109 Campbell street,	425
2 Alice E Higham,	"	61 Locust street,	400
1 Ruth E. Pease,	"	658 County street,	550
1 Grace N. Bramhall,	"	123 Campbell street,	550
1 Harriet A. Taylor,	"	114 Willis street,	550
1 Grace W. Dillingham,	"	66 Willis street,	425
1 Helen L. Corish,	"	86 Mill street,	400

KINDERGARTEN DEPARTMENT:

Anna Hill,	23 Seventh street,	550
Florence L. Davis,	64 Willis street,	450

CEDAR GROVE STREET ANNEX:

In Lowe Block.

3 Isabella F. Winslow, Assistant,	506 Purchase street,	550
Janitor, Frederick O Pollock,	171 Mill street,	800

CLARK STREET:

Clark street, corner Myrtle street.

4 Elizabeth P. Spooner, Principal,	129 Hillman street,	725
4 Grace B. Rounsevell, Assistant,	54 Parker street,	450
3 Isabella Luscomb,	" 245 Cedar street,	550
2 Annie S. Ray,	" 41 Parker street,	550
2 Lucia E. Bliss,	" 134 Arnold street,	550
1 Lucy S. Leach,	" 163 Maxfield street,	550
1 Esther W. Paul,	" cor. Summer and Pope sts.,	500
1 Clara L. Bennett.	" 105 Sycamore street,	425
Janitor, Edwin Jones,	Mt. Pleasant lane,	700

CLARK STREET ANNEX:

In Linden street School Building.

3 Martha D. Shute, Assistant,	55 Fifth street,	550
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CANNONVILLE:

Rockdale avenue.

4 & 3 Adelaide J. McFarlin, Principal,	cor. Cottage & Kempton sts.	575
2 & 1 Florence A Poole, Assistant,	22 Richmond street,	550
Janitor, Addie C. Jones,	Rockdale avenue,	104

DARTMOUTH STREET:

Dartmouth street, cor. Hickory street.

4 Isadore F. Eldridge, Principal,	44 Sherman street.	\$700
4 Sarah F. Pratt, Assistant,	3 Lincoln street,	550
3 Carrie W. Bliss, "	233 Arnold street,	500
3 Carolyn S. Jones, "	55 Court street,	400
2 Nellie H. Cook, "	Masonic building,	550
2 Jennie B. Fuller, "	34 Grape street,	425
1 Annie F. Smith, "	34 Bonney street,	550
1 Sara H. Kelley, absent on leave,	175 William street,	550
1 Nellie L. Foster, supply teacher,	13 Cottage street,	480
Janitor, John Lumbert,	68 Oak street,	650

GEORGE H. DUNBAR:

Dartmouth street, cor. Dunbar street.

4 M. Eva Schwall, Principal,	21 Bonney street,	700
3 & 4 Mary V. Perry, Assistant,	93 Bedford street,	425
3 Mary L. Rogers, "	97 Acushnet avenue,	500
2 Helen G. Malley, "	70 Rockland street,	550
2 Angela F. Bowie, "	111 Dartmouth street,	550
1 Grace H. Potter, "	100 Madison street,	550
1 Alice J. Lawrence, "	351 County street,	550
1 Jennie A. Murphy, "	301 Arnold street,	425
Janitor, Thomas C. Holmans,	66 Cottage street,	700

THOMAS A. GREENE:

Fourth street, cor. Madison street.

4 Annie L. Macreading, Principal,	33 Bonney street,	750
4 Bertha C. Hathaway, Assistant,	269 Arnold street,	450
3 Eliza H. Sanford, "	112 Fourth street,	550
3 Dora A. DeWolf, "	169 Middle street,	550
2 Sarah E. Sears, "	350 County street,	550
2 Lillie C. Tillinghast, "	60 Fifth street,	550
2 Mabel A. Morris, "	105 Bonney street,	500
1 Caroline E. Bonney, "	152 Bonney street,	550
1 Nellie E. Gibson, "	118 So. Sixth street,	425
1 Gillian M. Gordon, "	38 Fifth street,	500
Janitor, Phylander Chace,	303 County street,	700

SYLVIA ANN HOWLAND:

Pleasant street, between High and Kempton streets.

4 Carrie E. Footman, Principal,	72 State street,	625
3 Mary J. Graham, Assistant,	82 Court street,	550
2 Helen J. Kirk, "	27 Franklin street,	550
1 Amelia Lincoln, "	87 Walden street,	550
1 Ruth A. Wilde, "	35 Chestnut street,	500
Janitor, Hiram Lumbert, "	115 Sycamore street,	700

MERRIMAC STREET:

Merrimac street, cor. State street.

1 Harriet S. Damon, Principal,	223 Pleasant street,	\$650
1 Grace A. Arms, Assistant,	29 Fifth street,	425
1 & 2 Clara Davis, "	232 Pleasant street,	550
2 Anna I. Dexter, "	11 Franklin street,	550
3 Addie West, "	232 Pleasant street,	550
4 Julia A. Ellis, "	45 Sycamore street,	550
Janitor, Albert P. White,	166 Campbell street,	600

MARY B. WHITE:

Maxfield street, cor. Pleasant street.

4 Mary E. Pasho, Principal,	169 Grinnell street,	600
3 Clara C. M. Gage, Assistant,	45 Parker street,	550
2 Annie E. Pearce, "	151 Hillman street,	550
1 A. Gertrude Wheaton, "	123 Campbell street,	550
Janitor, William J. Cochrane,	189 North street,	500

WILLIAM H. TAYLOR:

Brock avenue.

6 & 7 Mary E. McAuliffe, ranking teacher,		
	292 Purchase street,	625
4 & 5 Rachel M. Wordell, Assistant,	101 Chestnut street,	450
3 Florence S. Hartshorn, "	110 So. Seventh street,	425
2 Harriet J. Thorpe, "	10 Richmond street,	400
1 Bertha M. Martindale, "	110 So. Seventh street,	500
Janitor, Henry M. Gifford,	Dudley street,	500

SOUTH KINDERGARTEN:

Josephine H. Cobb, Principal,	117 Washington street,	425
Ethel S. Gibbs, Assistant,	72 State street,	425

South Mission Chapel.

MILL SCHOOLS.

NORTH:

In Linden Street School Building.

Emma R. Wentworth, Principal,	117 Hillman street,	620
Flora M. Corwin, Assistant,	390 Union street,	550
Janitor, William J. Tilton,		\$9 per week

SOUTH:

Meaney's Hall, cor. South Water and Division streets.

Lucy J. Remington, Principal,	67 Fifth street,	620
Ruby M. Tripp, Assistant,	407 Cedar street,	550

COUNTRY SCHOOLS.

ACUSHNET:

Annie C. Maxfield, Principal,	Fairhaven, Mass.,	\$700
Belle B. Wheeler, Assistant,	14 Mt. Vernon street,	600
Harriet N. Hyatt, "	Tarkiln Hill road,	550
Janitor, John Sylvia,	River road,	325

NORTH:

Mary I Ashley, Principal,	Clifford,	600
Mary G. F. Davis, Assistant,	Clifford,	550

PLAINVILLE:

Eudora Lawrence, Principal,	Shawmut,	600
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ROCKDALE:

Addie W. French, Principal,	27 Bowditch street,	600
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SPECIAL TEACHERS.

DRAWING:

Mary W. Gilbert,	483 County street,	1,500
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SINGING:

Fred H. Butterfield,	93 Willis street,	1,900
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COOKING:

S. Agnes Donham, absent on leave,		600
Elizabeth C. Sprague, supply teacher, 20 Seventh street,		500

MANUAL TRAINING:

Edwin R. King,	271 Pleasant street,	1,400
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SEWING:

Lena M. Willis,	311 County street,	550
Gertrude H. Leonard,	23 Seventh street,	525
Harriet S. Phillips,	123 Rockland street,	525

EVENING DRAWING SCHOOL.

In High School Building.

		Per Night
George H. Nye, Principal,	323 Cottage street,	\$4.50
Katharine M. Crabtree, Assistant,	29 Fifth street,	3.00
Oliver H. Gardner, "	48 North street,	3.00
Franklin E. Smith, "	67 Fourth street,	3.00

EVENING ELEMENTARY SCHOOLS.

CEDAR GROVE STREET:

In Cedar Grove Street School Building.

		Per Night
Ernest V. Page, Principal,	115 Mill street,	\$3.50
Mary E. Ward,	Assistant,	1.50
Sarah F. Pratt,	"	1.50
Flora M. Corwin,	"	1.50
Gillian M. Gordon,	"	1.50
Mellie G. Harding,	"	1.50
Annie G. Brawley,	"	1.50
Nannie P. Slocum,	"	1.50
Alice Kelleher,	"	1.50
Isabella F. Winslow,	"	1.50
Isadore B. Lee,	"	1.50
Florence S. Hartshorn,	"	1.50
Bertha M. Martindale,	"	1.50
Mary R. Hinckley,	"	1.50
Abby R. Johnson,	"	1.50
Dora A. DeWolf,	"	1.50
Sylvia W. Paulding,	"	1.50
Carolyn S. Jones,	"	1.50
Alice L. Allen,	"	1.50

FIFTH STREET:

In Fifth Street School Building.

		Per Night
George H. Tripp, Principal,	Fairhaven,	\$3.50
Sarah E. Stoddard,	Assistant,	1.50
Mary J. Graham,	"	1.50
Ruth M. Tripp,	"	1.50
Sarah Peckham,	"	1.50
Nellie H. Cook,	"	1.50
Julia C. Gifford,	"	1.50
Grace A. Rounsevell,	"	1.50
Annie C. Hart,	"	1.50
Elizabeth C. Tillinghast,	"	1.50
Catharine T. Johnson,	"	1.50
Helen McCoy,	"	1.50
Edith M. B. Taber,	"	1.50
Robert E. Briggs,	"	1.50

PARKER STREET:

In Parker Street School Building.

		Per Night
Mary A. Kane, Principal,	127 Grinnell street,	\$3.50
Sarah L. Tallman,	Assistant,	1.50
Julia W. Corish,	"	1.50

Florence A. Poole,	Assistant,	\$1.50
Mary F. McIntyre,	"	1.50
Sarah E. Kirwin,	"	1.50
Sarah S. Fletcher,	"	1.50
Harriet L. Cornell,	"	1.50
Eliza G. M. Jenney,	"	1.50
Elizabeth Jones,	"	1.50
Mary F. Livingston,	"	1.50
Mary E. Haney,	"	1.50

PHILLIPS AVENUE:

In Phillips Avenue School Building.

Arthur F. Gilbert, Principal,	87 Court street,	Per Night \$ 3.00
Madeline Kyle,	Assistant,	1.50
Helen T. Maxfield,	"	1.50
Annie C. Maxfield,	"	1.50
Hannah J. Ardill,	"	1.50

THOMPSON STREET:

In Thompson Street School Building.

Joseph P. Kennedy, Principal,	15 Sherman street,	Per Night \$ 3.50
Mabel A. Valentine,	Assistant,	1.50
Kate K. Whelden,	"	1.50
Clara M. Woodward,	"	1.50
Emma L. Gartland,	"	1.50
Annie F. Smith,	"	1.50
Alice A. Taylor,	"	1.50
Helen G. Malley,	"	1.50
Mary L. Rogers,	"	1.50

1899—CITY DOCUMENT No. 7.

TWENTIETH ANNUAL REPORT

OF THE

BOARD OF HEALTH

OF THE

CITY OF NEW BEDFORD,

TO THE

CITY COUNCIL,

FOR THE YEAR 1898.

NEW BEDFORD:

E. ANTHONY & SONS, Inc., CITY PRINTERS.

1899.

REPORT.

OFFICE OF THE BOARD OF HEALTH,

NEW BEDFORD, JAN. 5, 1899.

To His Honor, the Mayor, and Gentlemen of the City Council:

GENTLEMEN:—In presenting this, the 20th annual report of the board, we desire to call your attention to a few matters which should share your consideration as well as ours.

During the past year we have received numerous complaints of filthy docks caused by accumulated sewage, and so far as has lain in our power we have endeavored to remedy the evil. Unless the docks into which several of the largest sewers empty, are cleaned of this filth by spring, these nuisances along the water front will cause no end of trouble. They should be dug out as soon as the weather permits, for it should be remembered that a number of the employes of the Nantucket & Martha's Vineyard Steamboat company, as well as those of the Old Colony Steamboat company, are obliged to breathe the air impregnated with noxious gases from two of the largest sewers which flow directly into the river. We have already called the attention of the public works department to this important matter.

Another matter which to us seems of vital importance in guarding the health of this community is that of maintaining the streets in a cleanly condition. During the agitation of financial matters last year in city government the public works department was unable to keep up with its work in this matter, with the result that many of

the streets, not excepting some in the heart of the city, were in a most deplorable condition. Complaints frequently reached us of this state of things, and we as frequently had to request the mayor or Superintendent Lawton to abate what we considered a nuisance. Especial attention should be given our streets during the early fall months, generally the season when the spread of disease is to be especially feared.

CONTAGIOUS DISEASE HOSPITAL.

Another matter which we call to your attention is the growing need for a contagious disease hospital, as provided by law—not an elaborate structure, costing thousands, but a suitable place where can be isolated such cases of scarlet fever and diphtheria which can not be treated at their own homes without great danger to other members of the family and consequently to the community. The past year the necessity for such an institution was very emphatically forced upon us, and we hope in the near future some provision will be made for such a place independent of any other hospital or public institution.

COW STABLES.

During the year just closed the board has considered upward of 800 complaints, and made 200 personal visits to different locations, in which are included the inspection of cow stables and piggeries. It is the policy of the board to allow cow stables to exist only where there is assurance that the milk supply can be furnished in a condition healthful to the consumer. The number of cow stables has been greatly reduced within the last two years, and if the public knew of some which we found and abandoned in the mill districts, where the

milk is largely consumed by infants they would be astonished. We do not hesitate to say that in this respect the existing cow stables are maintained with a much better idea of what is due the consumer of milk than ever before.

CONTAGIOUS DISEASES.

There have been reported at this office during the last twelve months, 1,111 deaths, and in the same period 319 contagious and infectious diseases. This number embraces all diseases which physicians are required to report. With diphtheria and scarlet fever there was a very perceptible falling off in the number of cases, and we feel that in a measure this is due to the systematic method employed in inspecting each and every case and holding in quarantine all children who have been in danger. It is our opinion that the prevalence of diphtheria and the mortality from this once much dreaded disease has been greatly lessened by the use of antitoxine, which is prepared by the State Board of Health and furnished by this board to all physicians free of cost.

The first step in the management of contagious diseases is the notification of each case, which is incumbent on householder as well as attending physician. But few householders know this, but as most physicians rarely neglect to report a case, the board is able to keep an oversight of existing cases. In a number of instances cases have been discovered where no physicians were employed, and generally this has been in families where English is seldom spoken.

The culture method of assisting in the diagnosis of diphtheria should be universally employed by the physicians of New Bedford. There is no doubt among those competent to judge that the presence of the Klebs-Loeffler

bacillus indicates the infection of diphtheria, and the finding of this bacillus is generally accepted as proof positive in making the diagnosis. There are some physicians who rely solely on a clinical evidence of the disease. All cases when reported at this office are treated alike, and patients remain in quarantine until negative results are reported in bacteriological tests. If within four weeks from the time a case is reported at this office there should be returned two consecutive negative tests within a week or ten days the patient is released, but no case is released until after the expiration of four weeks, and then only upon a negative result in the bacteriological test.

During the year the board has adopted an order prohibiting the attendance at all schools of children afflicted with whooping cough. This precaution is taken in all large cities of the commonwealth, and we believe it to be a wise one.

The medical inspection of all contagious and infectious diseases has been efficiently and faithfully performed by Dr. Edmond F. Cody, an officer of this board, who has been a large factor in making the system employed effective in preventing the spread of the disease.

DISINFECTION.

Disinfection after contagious diseases is compulsory, and no matter what method a family may employ after illness, the board insists on disinfection by its agent, Formaldehyde gas being the disinfecting quality. This is acknowledged the world over the best germicidal and disinfecting agent, and is in no way injurious to the property left in the rooms to be treated. Some think it a hardship that the board should insist on this precaution after they have burned sulphur, but we feel that as a

safeguard to the community the best way is the safest, hence the use of Formaldehyde gas. This is done at no expense to the householder, as the work is performed by the health officer of the board.

VACCINATION.

During the past year there have been 453 vaccinations, of which number 63 were revaccinations. The poorer classes have availed themselves of the privilege of free vaccination, which has been undertaken by the board since the small pox outbreak in 1892. The law is so strict regulating attendance at schools that many children who seek admission are sent to this office after failing to be admitted in some one of the public schools.

PLUMBERS' LICENSES.

The following additional plumbers' licenses have been issued since Jan. 1, 1898 :

MASTER PLUMBERS.

George J. Allen,	Samuel Barlow,
Edw. L. Curtis,	James H. Mahoney,
James F. Collins,	Thomas P. Knowles.

JOURNEYMEN PLUMBERS.

James E. McGoff,	Patrick F. Loftus,
John Enos,	William J. Wills,
James W. Turner,	Azaire Bolduc.

Respectfully submitted,

THOMAS W. COOK,
WM. G. KIRSCHBAUM,
JOHN T. BULLARD, M. D.

MORTUARY REPORT, 1898.

CAUSE OF DEATH.	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Apoplexy	8	7		3	6		3	6	3	4	4	4	48
Appendicitis	1				1								2
Alcoholism	1							1	1	1			4
Abscess, Pelvic	1												1
Abscess of Kidney		1											1
Abscess of Lungs							1						1
Abscess, Abdominal												1	1
Abscess of Glands of Neck					1								1
Accident, Railroad					1								1
Atelectasis		1							1		1	1	4
Abdominal Tumor									1				1
Asthma									1				1
Aneurism of Thoracic Aorta												1	1
Anæmia, Pernicious		2					1				1		4
Asphyxia			3	1									4
Arterial Sclerosis				1	3		1						5
Bronchitis	4	1	2	1		1		2		2	1	4	18
Bronchitis, Cap.	1	1	2	3	1					1		1	10
Brain, Disease of		1			1	1		1		1	1	1	7
Burns								1				1	2
Cirrhosis of Liver and Kidney							1						1
Cholera Infantum	1			1			23	54	24	10	2		115
Convulsions	3	8	3	3	3	2	6	5	1	2	2	4	42
Cholera Morbus									1				1
Carbuncle on Neck							1						1
Cancer	1	2	1	2	1			2		1	1	2	13
Cancer of Liver	1		1								1	1	4
Cancer of Uterus	1		1	2			1			2		1	8
Cancer of Stomach	1	1		1	1		3	1	1	2		1	12
Cancer of Stomach and Kidney			1										1
Cancer of Rectum				1					2	1			4
Cancer of Breast				1									1
Cancer of Omentum and Liver							1						1
Cancer of Mouth							1						1
Cancer of Bowels								1			1	1	3
Cancer of Inguinal Glands									1				1
Cancer of Pelvic Organs												1	1
Cerebro Spinal Sclerosis					1								1
Cystitis												1	1
Debility	1		1	1		2	1	2		2		1	11
Debility, Infantile	7	12	8	10	4	4	8	8	7	12	10	9	99
Diabetes	1								2				3
Dementia Senile	1						1		1				3
Diphtheria	2	3		1		1		1	1	2	2	5	18
Diarrhœa		1							3	4			8
Dysentery								2					2
Drowning						1	2	2		1			6

MORTUARY REPORT, 1898.—*Continued.*

CAUSE OF DEATH.	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Enteritis						1	2	3	3	1	1		11
Enteritis, Gastro				3		3	3	1	4	1	1	1	17
Entero-colitis				1	1			4	5	3		1	15
Enlarged Prostate Gland				1									1
Empyema					1				1				2
Eclampsia, Puerperal						1							1
Epilepsy						1							1
Embolism						1							1
Emphysema of Lungs									1				1
Erysipelas									1				1
Epithelioma of Jaw and Oesophagus											1		1
Fever, Puerperal	1												1
Fever, Scarlet		1									2	1	4
Fever, Typhoid								2	4	6	3	2	17
Fracture of Skull (accident)		1											1
Fibroids of Uterus					1	1							2
Gullet, Stricture of	1												1
Gangrene				1		1	1						3
Gangrene of Leg						1							1
Gangrene of Foot											1		1
Gunshot Wound of Brain									1				1
Gastritis				1					1		1		3
Glandular Hypertrophy									1				1
Heart Disease	8	8	11	6	9	9	4	5	4	8	5	5	82
Hemiplegia									1	1		1	3
Hemorrhage	1						1					1	3
Hemorrhage, Internal		1											1
Hemorrhage, Pul.				1	1								2
Hydrocephalus										1	1		2
Imperforate Anus	1												1
Intestinal Obstruction			1							1			2
Injury from a fall				1									1
Internal Injuries						1	1						2
Insanity											1		1
Influenza													1
Kidney Disease	7	6	5	6	4	3	2	4	7	2	3	4	53
Lungs, Oedema of	1	2	1	1	1		1			1	3		11
Lungs, Disease of												1	1
Liver, Cirrhosis of	1			2	1					1		1	6
Liver, Congestion of			1										1
Laryngitis, Tub.		1										1	2
Laryngitis, Membranous							1						1
Locomotor Ataxia									1				1
Meningitis	4	3	4	1		3	5	3	2	5	3		33
Meningitis, Cerebro Spinal	1			1			2		1		1	1	7
Meningitis, Tub.			1	4	2		1			1		1	10

MORTUARY REPORT, 1898.—*Continued.*

CAUSE OF DEATH.	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Meningitis, Cer.	.	.	.	.	.	.	.	.	1	.	.	.	1
Malnutrition	2	1	.	.	.	.	.	.	.	2	.	.	5
Mucous Disease	.	.	.	.	.	.	.	1	.	.	.	.	1
Myelitis	.	1	.	.	.	.	.	.	.	.	.	.	1
Mumps	.	.	.	.	.	.	.	.	.	.	1	.	1
Old Age	7	2	1	3	2	1	2	.	3	2	3	2	28
Phthisis, Pul.	14	17	9	8	6	2	8	7	6	10	5	4	96
Pneumonia	13	6	15	8	8	1	1	2	1	5	4	9	73
Paresis	1	1	.	2	1	1	1	4	1	2	.	3	17
Perforating Ulcer of Stomach	.	.	.	.	.	1	.	.	.	.	.	.	1
Perforating Ulcer of Intestines	.	.	.	.	.	.	.	.	.	.	.	1	1
Purpura Hemorrhagica	.	1	.	.	.	.	.	.	.	.	.	.	1
Peritonitis	.	1	1	1	1	2	1	.	1	.	3	.	11
Premature Birth, ...	.	.	4	1	7	1	1	5	1	2	2	1	25
Pyæmia	.	.	.	1	.	.	.	.	.	.	.	.	1
Postpartem Hemorrhage	.	.	.	.	1	.	.	.	.	.	.	.	1
Rheumatism	.	.	.	.	.	1	.	.	.	1	.	.	2
Rupture of Uterus	.	.	.	.	.	.	1	.	.	.	.	.	1
Sarcoma	.	1	.	.	.	.	.	.	.	.	.	.	1
Shock	.	.	.	1	.	.	.	.	.	.	.	.	1
Shock from Burn	.	.	.	.	.	.	1	.	.	.	.	.	1
Suffocation	.	.	1	.	.	.	.	.	.	.	.	.	1
Suffocation by smoke	.	.	.	.	.	.	.	.	.	.	2	.	2
Septicæmia	.	.	.	.	.	1	.	.	.	.	.	.	1
Septicæmia, Puerperal	.	.	.	.	.	1	1	.	.	.	.	.	2
Strangulated Hernia	.	1	.	.	.	.	.	.	.	.	.	.	1
Suicide (poisoning)	.	.	.	1	.	.	.	.	.	.	.	.	1
Suppression of Urine	.	.	.	.	.	1	.	.	.	.	.	.	1
Spinal Sclerosis	.	.	.	.	.	1	.	.	.	.	.	.	1
Spinal Bifida	.	.	.	.	.	1	.	.	.	.	.	.	1
Tuberculosis	.	1	2	2	.	.	3	1	1	2	.	1	13
Tuberculosis, Intestinal	.	1	1	.	.	.	1	.	.	.	.	1	4
Tabes Mesenterica	.	.	.	.	.	.	.	.	.	.	.	1	1
Tumor of Neck	.	.	.	.	.	.	.	1	.	.	.	.	1
Unknown	1	.	.	1	.	1	.	.	.	.	2	1	6
Whooping Cough	1	1	1	.	.	.	1	1	.	.	1	1	7

MORTUARY REPORT, 1898.—*Continued.*

		JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Under 1 year	{ Males . .	15	16	10	15	10	6	24	36	26	19	12	11	200
	{ Females . .	7	16	18	10	5	7	17	41	19	15	10	10	175
1-2 years	{ Males . .	3	0	3	4	1	0	2	4	2	8	1	3	31
	{ Females . .	2	3	3	1	1	4	6	7	2	3	1	4	37
2-3 years	{ Males . .	2	2	0	1	1	0	3	0	0	1	3	3	16
	{ Females . .	0	1	1	3	1	0	1	0	2	1	2	2	14
3-4 years	{ Males . .	3	0	0	0	0	2	1	0	1	0	1	2	10
	{ Females . .	1	3	1	0	1	0	4	0	0	0	2	2	14
4-5 years	{ Males . .	0	1	0	1	0	0	0	0	0	0	0	0	2
	{ Females . .	0	0	0	0	0	1	0	2	0	0	0	1	4
5-10 years	{ Males . .	1	1	1	2	2	2	0	1	1	3	3	2	19
	{ Females . .	0	0	0	0	1	1	0	1	1	1	1	0	6
10-15 years	{ Males . .	0	0	0	1	0	2	0	0	1	1	0	0	5
	{ Females . .	1	1	0	0	0	0	0	1	0	1	0	3	7
15-20 years	{ Males . .	0	2	0	1	0	0	1	2	0	0	1	0	7
	{ Females . .	3	5	0	3	1	0	1	2	0	3	2	1	21
20-30 years	{ Males . .	4	1	6	3	5	0	4	1	6	6	3	3	42
	{ Females . .	7	6	1	0	0	3	3	5	7	2	4	2	40
30-40 years	{ Males . .	5	1	5	4	2	3	2	1	2	5	4	4	38
	{ Females . .	4	4	4	2	6	5	2	0	5	5	1	1	39
40-50 years	{ Males . .	3	3	3	2	2	1	3	3	1	1	4	3	29
	{ Females . .	0	3	3	4	2	1	4	2	3	2	0	4	28
50-60 years	{ Males . .	3	2	4	5	3	0	5	3	3	2	3	3	36
	{ Females . .	4	1	2	3	3	1	1	4	0	6	3	4	32
60-70 years	{ Males . .	3	5	2	5	3	5	3	4	3	5	1	3	42
	{ Females . .	7	7	4	4	4	3	3	3	3	4	3	6	51
70-80 years	{ Males . .	6	3	5	8	5	2	2	4	5	1	3	3	47
	{ Females . .	6	8	3	5	4	2	5	3	4	8	6	4	58
Over 80 years	{ Males . .	6	1	2	1	3	0	3	2	4	3	1	3	29
	{ Females . .	5	3	1	3	4	3	3	1	2	1	3	3	32

	JAN.	FEB.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Whole number of deaths .	101	99	82	91	70	54	103	133	103	107	78	90	1111
Whole number of males . .	54	38	41	53	37	23	53	61	55	55	40	43	553
Whole number of females .	47	61	41	38	33	31	50	72	48	52	38	47	558
Stillborn . . { Males . .	8	4	3	11	6	3	4	4	1	5	1	1	51
{ Females . .	6	1	4	3	1	2	2	0	3	2	1	3	28
Whole number	.	.	.	.	.	.	.	.	.	.	.	.	79

CONTAGIOUS AND INFECTIOUS DISEASES.

	JAN.	FEB.	MAR.	APRIL.	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOTAL.
Scarlet Fever	8	3	2	7	8	6	3	2	9	21	11	21	101
Diphtheria and Croup	14	10	5	5	2	4	3	0	1	8	11	15	78
Measles	1	0	0	0	4	4	1	0	1	0	0	0	11
Typhoid Fever	8	3	0	1	1	4	3	27	30	29	13	10	129
Whole number	.	.	.	.	.	.	.	.	.	.	.	.	319

Respectfully submitted,

SUSAN J. SMALL, Clerk.

FINANCIAL REPORT FOR THE YEAR ENDING
NOV. 30, 1898.

EXPENDITURES.

December, 1897,	\$1,566.84
January, 1898,	1,609.95
February, “	1,603.33
March, “	2,000.64
April, “	1,596.84
May, “	1,684.56
June, “	1,599.30
July, “	1,533.01
August, “	1,543.19
September, “	1,701.95
October, “	1,548.87
November, “	1,619.75
Whole amount,	\$19,608.23
Whole amount appropriated,	18,500.00
Deficit,	\$1,108.23

NEW BEDFORD, JAN. 1, 1899.

To the Board of Health.

GENTLEMEN:—I have the honor to submit the following report of the work performed by me as Medical Inspector during the year 1898.

Number of visits for all purposes including bacteriological cultures for diphtheria, 737.

There have been reported 308 cases of contagious and infectious diseases which properly came under my observation. These were all investigated with the following results:

	Cases.	Deaths.	Percent. of Deaths.
Diphtheria and Memb. Croup,	78	18	22
Scarlet Fever,	101	4	4
Typhoid Fever,	129	17	13
Total,	308	39	

The death rate from these diseases in the total mortality was 3.5 per cent.

I find that the instructions given householders occupying infected houses have been satisfactorily observed as the infrequency of recurrence of the disease testifies.

No common source of infection could be discovered during the prevalence of typhoid fever. The cases were pretty evenly distributed over the city from Fort Rodman to Lund's corner and from the water front to Buttonwood Park. The milk supply was ascertained in each case and only in two instances it was discovered that more than one typhoid patient had been supplied by the same dealer.

In diphtheria, I find that as soon as the patients convalesce sufficiently to be up and about, the majority of the physicians discharge them. In nearly all of such, they are given to understand by such a course, if they have not been told so by their adviser, that they are well.

They at once go out upon the streets and mingle freely with others. I believe this to be wrong. A physician should explain to his patient the danger to the community and should not relinquish a case until the throat has been proved free by bacteriological test.

Membranous Croup seems to be very properly classified by the board with diphtheria. Whenever possible a culture is taken and the result is usually positive, although the child is nearly always dead before an answer is received.

During the year, 153 bacteriological tests were taken, of which 73 were positive and 76 negative. Four were taken of out of town patients of which no return was made to this office. The number of tests exceeds last year's by 108. This is partly due to the rule of the board that the quarantine shall not be raised in diphtheria until a negative result be obtained and also to the increasing appreciation among the physicians of its great value in diagnosis.

By instruction of the chairman of the board, and in accordance with section 5, chapter 32, of the Public Statutes, amended, I have investigated the causes of death in 28 cases and furnished certificates of the same.

In conclusion, I extend my thanks to the several members and employes of the board for many courtesies and kindly assistance.

Respectfully,

EDMOND F. CODY, M. D.

Medical Inspector.

NEW BEDFORD, January 1st, 1899.

PLUMBING INSPECTOR'S REPORT.

To the Board of Health.

Gentlemen:—I have the honor to submit the following report of the work performed by me as Inspector of Plumbing, during the year 1898.

NUMBER OF PERMITS ISSUED.

New buildings, 110.
Old buildings, 328.
Number of inspections, 902.
Final inspections, 180.
Whole number of inspections, 1120.

NUMBER OF FIXTURES PLACED IN BUILDINGS.

Sinks, 684.
Set bowls, 173.
Bath tubs, 147.
Water closets, 501.
Wash trays, 33.
Urinals, 8,
Total fixtures, 1546.

Respectfully submitted,

LOUIS H. RICHARDSON,

Inspector of Plumbing.

To the Board of Health:

GENTLEMEN :—The following is my report for the year ending Dec. 31, 1898 :

- Filthy privies and overflowing vaults and cesspools, 71.
- Defective vaults and cesspools, 26.
- Defective and clogged drains, 16.
- Defective and filthy water closets, 23.
- Defective plumbing, 19.
- Filthy barns, barn cellars and yards, 21.
- Filthy ash barrels, 20.
- Filthy premises, 18.
- Manure piles ordered removed, 14.
- Filthy sand catchers, 4.
- Hens in cellars, 8.
- Water in cellars, 11.
- Emptying vaults and cesspools without permit, 7.
- Unlicensed cows and pigs, 12.
- Dead animals in street, 5.
- Investigating locations for licenses to keep cows and pigs, 65.
- Inspections for permits to clean vaults, 16.
- Pigpen nuisances, 8.
- Fishmarket nuisances, 3.
- Collecting swill without a license, 10.
- Prosecutions for same, 8.
- Complaints of vault locations, 29.
- Complaints made but found no cause, 19.
- Hens, goat and pigeon-house nuisances, 9.
- Filthy tenements, 6.

Regular inspections, 866.

Houses placarded for contagious diseases, 133.

Rooms fumigated, 291.

Notices served and posted, 111.

A great many cases required several visits before complying with orders.

Respectfully submitted,

WILLIAM E. MACOMBER,

Health Inspector.

During the year 1898 the following permits and licenses were granted by the Board :

Cleaning vaults and cesspools, 22.

To reinter, 86.

To enter sewers, 209.

Stable licenses, 6.

Swine licenses, 34.

Cattle licenses, 27.

Undertaker's licenses, 17.

Number of privy-vaults abolished, 15.

Number of notices issued, 56.

Number of complaints received at this office, 158.

Of this number found upon investigation to be without cause, 21.

Respectfully submitted,

SUSAN J. SMALL, Clerk.

NEW BEDFORD, Jan. 1, 1899.

To the Board of Health:

GENTLEMEN:—I have the honor to submit the following report of the work performed by me under my contract to collect and dispose of the city's garbage during the year 1898:

Destroyed at garbage plant the past year daily about 25 tons of garbage including fish, shells, animals, etc.; 181 horses, 156 of them taken alive and shot, 10 of them were affected with glanders; 13 cows; 11 hogs; 276 dogs, cats and small animals; 1 mule; 2 goats.

Respectfully submitted,

EDGAR H. GAMMONS, Contractor.

REPORT OF THE BOARD OF EXAMINERS
OF PLUMBING.

To the Board of Health:

GENTLEMEN :—During the year 1898 there were held thirteen (13) meetings and eleven (11) examinations.

Six master and six journeyman plumbers were recommended for licenses. Three master and three journeymen failed to pass their examination.

Respectfully submitted,

THOMAS W. COOK,	} Board of Examiners.
Chairman,	
EDMUND O'KEEFE,	
WILLIAM DEACON,	

NEW BEDFORD, Jan. 1, 1899.

To the Board of Health:

GENTLEMEN:—I have the honor to submit the following report as quarantine physician for the year 1898:

Boarded eighteen (18) vessels arriving from foreign ports. None of these vessels were detained in quarantine as no contagious or infectious disease existed.

Respectfully submitted,

JOHN T. BULLARD,

Quarantine Physician.

IN BOARD OF ALDERMEN,

January 12, 1899.

Received, and ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

1 mo., 12, 1899.

Concurred.

WILLIAM A. MACKIE, Clerk.

1899—CITY DOCUMENT No. 8.

THE

AUDITOR'S ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

OF THE

CITY OF NEW BEDFORD,

FOR THE YEAR 1898.

NEW BEDFORD:

E. ANTHONY & SONS, Incorp., CITY PRINTERS.

1899.

CITY OF NEW BEDFORD,
AUDITOR'S OFFICE.

To the Honorable, the City Council of New Bedford:

GENTLEMEN:—Herewith I have the honor to submit the Annual Report of all the Receipts and Expenditures of the City for the financial year ending on the first Monday in December, 1898, together with a statement of the City debt, a schedule of the real and personal property belonging to the City and the estimated value thereof, and such other statements as I have deemed of interest.

Very respectfully,

CHARLES J. MCGURK,

City Auditor.

AUDITOR'S REPORT.

JAMES H. HATHAWAY, ESQ., CITY TREASURER,
IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

DR.

1897.		
December 6.	To balance of cash,	\$144,252.41
	Appropriations, general, taxes 1898,	\$871,877.51
	“ “ “ 1897,	14,005.14
	“ “ “ 1896,	7,766.55
	“ “ “ 1895,	306.12
	“ “ “ 1894,	12.24
	“ “ “ 1893,	10.00
	“ special, “ 1897,	198,850.00
	Armories and military property,	4.50
	Cemeteries,	7,477.01
	Cemeteries, sale of lots,	3,638.00
	Commonwealth of Mass., Chap. 62,	105.00
	“ “ “ 164 of 1897,	105.00
	“ “ “ 279 of 1894,	1,103.00
	“ “ “ 301,	10,187.64
	Fire department,	.75
	Free Public Library, dog fund,	1,347.86
	Free Public Library, trustees of—	
	James B. Congdon, gift,	30.00
	George O. Crocker, bequest,	400.00
	Oliver Crocker, bequest,	60.00
	George Howland Jr., gift,	96.00
	Sylvia Ann Howland, bequest,	3,000.00
	Charles W. Morgan, bequest,	60.00
	Charles L. Wood, library fund,	80.00
	Highways and streets,	3.00
	Incidentals,	1,869.33
	New Bedford School Committee—	
	Sylvia Ann Howland fund,	3,000.00
	J. Bourne prize fund,	60.00

AUDITOR'S REPORT.

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New Bedford Water Works,	107,490.50	
“ “ “ further water supply,	991.61	
Park Commission,	110.15	
Poor department,	20.00	
Public schools, incidentals,	2.00	
“ “ repairs of buildings,	3.35	
“ “ dog fund,	1,340.42	
Department of wharves,	3,887.41	
Salaries,	10.00	
Sewer, Prospect street, No. 3.	436.50	
Public debt,	42,080.00	
Real estate, tax account,	90.06	
Temporary loan,	775,000.00	
Unappropriated funds,	169,412.51	\$2,226,329.16
		\$2,370,581.57

AUDITOR'S REPORT.

JAMES H. HATHAWAY, ESQ., CITY TREASURER,
IN ACCOUNT WITH THE CITY OF NEW BEDFORD.

CR.

Armories and military property,	\$3,277.89
Board of Assessors,	6,077.00
Board of Health,	19,608.23
Cemeteries,	25,349.82
Cemeteries, sale of lots,	3,799.99
City property,	6,765.49
Almshouse changes and alterations,	3,852.02
Engine house lot, Kempton and Reed streets,	2,257.20
Gravel lot, Hillman street,	6,764.12
Police station, Kempton and Cedar streets,	14,303.07
Rural Cemetery, land,	2,250.00
Schoolhouse, Brock avenue,	14,025.91
“ “ “ heating, etc.,	2,044.60
“ “ “ Geo. H. Dunbar,	4,739.68
“ Phillips ave. and Bowditch st.,	1,066.00
“ “ “ “ curbing,	1,349.00
“ lot, Coggeshall & Bowditch sts,	12,610.02
Commonwealth of Mass., Chap. 164 of 1897,	385.00
“ “ “ 279 of 1894,	2,059.00
“ “ “ 301,	10,246.50
“ “ “ 447,	8,087.73
“ “ “ 561 of 1898,	488.00
Court judgments,	909.61
Election funds,	4,308.63
Engineering department,	10,737.36
“ “ grade crossings,	620.39
Fire department,	78,460.51
“ underground wires,	826.24
Free Public Library,	11,681.48
“ “ dog fund,	1,196.16

AUDITOR'S REPORT.

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Free Public Library, trustee of—	
James B. Congdon, gift,	16.22
George O. Crocker, bequest,	11.43
Oliver Crocker, bequest,	73.43
George Howland, Jr., gift,	190.55
Sylvia Ann Howland, bequest,	3,752.83
Chas. W. Morgan, bequest,	87.77
Charles L. Wood, library fund,	137.90
Reading room fund,	632.72
Highways and streets,	191,773.22
Land damages, Bonney street,	300.00
“ “ Brock avenue,	40.00
“ “ Hathaway street,	214.20
“ “ Kempton street,	251.40
“ “ Palmer street,	679.50
“ “ Purchase street, No. 3,	11,906.93
“ “ “ “ No. 4,	19,730.83
“ “ “ “ No. 5,	35,475.42
“ “ Rockdale avenue,	1,011.04
“ “ Thompson street,	200.00
Incidentals,	53,161.95
“ band concerts,	481.10
“ equipping troops,	2,034.76
“ Memorial day, G. A. R.,	750.00
Semi-centennial celebration,	28.50
Pingree plan, for benefit poor, etc.,	908.55
Textile school,	25,000.00
License commission,	960.65
Lighting the streets,	49,199.17
Coggeshall street bridge,	155.52
New Bedford and Fairhaven bridge,	1,925.37
“ school committee, Howland fund,	3,356.41
“ “ “ J. Bourne prize fund,	60.00
New Bedford Water Works,	123,163.23
“ “ “ furth. wat. supply,	215,124.97
Park commission,	20,620.70
Police department,	120,242.06
Poor department,	77,018.19
Printing, binding and stationery,	3,524.58
Public schools, incidentals,	52,561.41
“ “ pay of teachers,	136,315.61
“ “ repair of buildings,	14,609.37
“ “ dog fund,	4,018.73
“ “ kindergartens,	3,345.64
“ “ Geo. H. Dunbar school,	52.68

Department of wharves,	5,098.37	
Salaries,	24,045.68	
Sewers, general account,	22,316.39	
" Ashland place and Linden court,	540.83	
" Blackmer street enlargement,	2,020.66	
" Beech street,	309.60	
" Clinton street, No. 3,	85.02	
" Florence street,	1,806.72	
" Grape street extension,	10,993.51	
" Hathaway and Front streets,	1,791.74	
" Hazzard street, No. 2,	15.44	
" Hillman street and Rockdale avenue,	1,507.75	
" Middle street, No. 6,	109.68	
" Morgan's lane,	546.42	
" Morgan and Lindsey streets,	195.88	
" Pleasant street, No. 4,	261.44	
" Prospect street, No. 3,	733.65	
" Tallman street,	1,860.16	
" Trinity street,	180.25	
" Wamsutta and Merrimac streets.	41.09	
Public debt,	194,498.50	
Sinking funds,	90,400.00	
Temporary loan,	500,000.00	
		\$2,294,609.97
City Treasurer, balance of cash,		75,971.60
		\$2,370,581.57

Expenditures in Detail.

APPROPRIATIONS, GENERAL, 1898.

Armories and military property,	\$2,800.00
Board of Assessors,	4,000.00
Board of Health,	16,000.00
Cemeteries,	14,800.00
City property,	6,400.00
Commonwealth of Mass.. Chap. 279 of 1894,	1,100.00
“ “ “ 447,	6,000.00
Engineering department,	8,000.00
Fire department,	62,800.00
Free Public Library,	10,000.00
Highways and streets,	132,000.00
Incidentals,	48,000.00
License Commission,	560.00
Lighting the streets,	40,000.00
Coggeshall street bridge,	400.00
New Bedford and Fairhaven bridge,	800.00
New Bedford Water Works,	12,000.00
Park Commission,	12,800.00
Police department,	93,200.00
Poor department,	36,000.00
Printing, binding and stationery,	4,000.00
Public schools, incidentals,	32,000.00
“ “ pay of teachers,	108,849.00
“ “ repair of buildings,	6,400.00
Salaries,	19,223.00
Sewers, general account,	16,000.00
Public debt,	158,719.00
Sinking funds,	90,400.00
	\$943,251.00

CR.

By cash receipts, as per Treasurer's report,	\$871,877.51	
December 5, 1898. Balance,	71,373.49	<u>\$943,251.00</u>

DR.

December 5, 1898. To balance,		<u>\$71,373.49</u>
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APPROPRIATIONS, GENERAL, 1897.

DR.

December 6, 1897,		<u>\$44,850.88</u>
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CR.

By cash receipts as per Treasurer's report,	\$14,005.14	
December 5, 1898. Balance,	30,845.74	<u>\$44,850.88</u>

DR.

December 5, 1898. To balance,		<u>\$30,845.00</u>
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APPROPRIATIONS, GENERAL, 1896.

DR.

December 5, 1898,		<u>\$33,289.00</u>
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CR.

By cash receipts as per Treasurer's report,	\$7,766.55	
December 5, 1898. Balance,	25,522.45	<u>\$33,289.00</u>

DR.

December 5, 1898. To balance,		<u>\$25,522.45</u>
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APPROPRIATIONS, GENERAL, 1895.

DR.

December 6, 1897.	To balance,		\$17,503.48
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CR.

By cash receipts as per Treasurer's report,	\$306.12		
December 5, 1898.	Balance,	17,197.36	17,503.48

DR.

December 5, 1898.	To balance,		17,197.36
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APPROPRIATIONS, GENERAL, 1894.

DR.

December 6, 1897.	To balance,		\$21,658.25
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CR.

By cash receipts as per Treasurer's report,	\$12.24		
December 5, 1898.	Balance,	26,646.01	\$21,658.25

DR.

December 5, 1898.	To balance,		\$26,646.01
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APPROPRIATIONS, GENERAL, 1893.

Dr.

December 6, 1897. To balance,	\$14,853.17
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Cr.

By cash receipts as per Treasurer's report,	\$10.00	
By transfer from unappropriated funds,	14,843.17	\$14,853.17

APPROPRIATIONS, SPECIAL, 1898.

Board of Assessors,	\$2,500.00
Board of Health,	2,500.00
Cemeteries,	3,500.00
Engine house lot, Kempton and Reed streets,	2,257.20
Gravel lot, Hillman street,	6,764.12
Police station, Kempton and Cedar streets,	2,543.08
Rural cemetery, land,	2,250.00
Schoolhouse, Brock avenue,	5,038.00
George H. Dunbar school,	2,794.68
Schoolhouse, Phillips ave. and Bowditch sts.,	665.70
“ “ “ “ curbing,	409.00
“ “ lot, Coggeshall & Bowditch sts.,	12,610.02
Engineering department,	2,500.00
Fire department,	15,700.00
“ “ underground wires,	500.00
Highways and streets,	43,000.00
Land damages, Brock avenue,	40.00
“ “ Hathaway street,	214.20
“ “ Kempton street,	251.40
“ “ Palmer street,	679.50
“ “ Purchase street, No. 3,	13,398.00
“ “ “ “ No. 4,	21,013.00
“ “ Rockdale avenue,	1,011.04
“ “ Thompson street,	200.00
Memorial day, G. A. R.,	750.00
Lighting the streets,	10,000.00
New Bedford and Fairhaven bridge,	800.00
Park Commission,	7,200.00

Police Department,	23,477.00	
Poor Department,	29,000.00	
Public schools, incidentals,	17,559.00	
" " pay of teachers,	27,212.00	
" " repairs of buildings,	8,547.00	
" " kindergartens,	6,500.00	
Salaries,	4,742.00	
Sewer, Ashland place and Linden court,	1,000.00	
" Florence street,	2,500.00	
" Grape street, extension,	20,185.00	
" Hillman street and Rockdale avenue,	1,500.00	
" Middle street, No. 6,	150.00	
" Morgan and Lindsey streets,	250.00	
" Pleasant street, No. 4,	300.00	
" Trinity street,	500.00	\$304,510.94

CR.

By transfer from unappropriated funds,	\$72,026.56	
December 5, 1898. Balance,	\$232,484.38	\$304,510.94

DR.

December 5, 1898. To balance,	\$232,484.38
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APPROPRIATIONS, SPECIAL, 1897.

DR.

December 6, 1897. To balance,	\$198,919.94
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CR.

Cash receipts as per Treasurer's report,	\$198,850.00	
By transfer from unappropriated funds,	69.94	\$198,919.94

ARMORIES AND MILITARY PROPERTY.

Dr.

GUARDS ARMORY.

Fuel and heating :—		
F. T. Akin & Co.,	\$42.25	
Proprietors of Ricketson Block,	224.00	\$266.25
Repairs :—		
Kern & Wright, painting,	11.81	11.81
Rent :—		
Proprietors of Ricketson Block,	700.00	700.00
Lighting :—		
New Bedford Gas & Edison Light Co.,	441.99	441.99
Miscellaneous :—		
So. Mass. Telephone Co., rent telephone,	27.00	27.00

NAVAL RESERVES ARMORY.

Fuel and heating :—		
T. S. Corson,	60.60	
L. A. Washburn,	3.50	64.10
Rent :—		
Proprietors of Lewis hall,	800.00	800.00
Lighting :—		
New Bedford Gas & Edison Light Co.,	278.87	278.87
Miscellaneous :—		
A. W. Allen, lockers and repairs,	80.60	
Wm. P. Briggs, lock and keys,	2.10	
Charles Cotter, janitor,	286.50	
DeWolf & Vincent, paint and hardware,	12.05	
J. W. Footman, sponge covering,	3.00	
Household Furnishing Co., janitor's supplies,	2.45	
New Bedford Cordage Co., cordage,	1.60	
Pierce, Lewis & Co., stove pipe and fitting,	1.00	
Frank C. Smith, labor and storage boats,	6.80	
So. Mass. Telephone Co., service and tolls,	60.05	
David Ward, repairing boats,	37.16	
Wm. R. West, paint and glass,	9.10	
C. F. Wing, cabinet cloth,	.90	503.31

PROVISIONAL MILITIA.

A. T. Howland, armorer, services and supplies, 22.37	
New Bedford Gas & Edison Light Co., lighting, 4.00	26.37

RIFLE RANGE.

Wm. P. Briggs, telephone, stock and labor, 120.31	
Hillman, Washburn & Co., hardware, 3.34	
A. T. Howland, stock and labor, 34.54	158.19
	\$3,277.89
Transfer to balance,	126.61
	\$3,404.50

CR.

By appropriation,	\$2,800.00	
Receipts as per Treasurer's report,	4.50	
Transfer from unappropriated funds,	600.00	\$3,404.50

BOARD OF ASSESSORS.

DR

Clerical help :—

Pay rolls,		\$4,469.78
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Transportation :—

Ashley, Isaac L.,	\$1.00	
Gardiner, E. C.,	111.00	
N. Y., N. H. & H. R. R. Co.,	20.00	
Perry, S. F. & Sons,	3.00	
Union Street Railway Co.,	5.00	140.00

Printing, binding and advertising :—

Collins, W. H. & Co.,	204.03	
E. Anthony & Sons, Incorp.,	77.16	
Mercury Publishing Co.,	721.45	1,002.64

Stationery and supplies :—

Bates Manfg. Co., ink and pads,	1.49	
Blackbird Pen Co., pens,	4.00	
Briggs, George L., pens,	3.00	
Brightman, F. S., pens, etc.,	4.50	
Carter's Ink Co., type-writer ribbons,	4.50	
Hutchinson, H. S. & Co., books,	5.45	
Library Bureau, cards, etc.,	137.64	
Lyons Platinum Pen Co., pens,	4.00	
Searles, Mortimer, stamps and pads,	1.75	
Taber, Robert W., stationery, etc.,	163.10	329.43

Miscellaneous :—

Akin, F. T. & Co., stock and labor,	2.53
Almy & Hitch, labor on carpet,	1.71
Banker & Tradesman, subscription, etc.,	5.75
Blanchard, F. S. & Co., Mass. year book,	1.50
Cushing, C. F., plat-sheet case,	2.00
Emery, W. T., mantles and chimneys,	2.55
Gray, C. A. & Co., freight and cartage,	1.44
Greenough, W. A. & Co., directories,	5.00
Hatch & Co., expressage,	3.25
Jenney, P. P. & Son, sharpening erasers,	.56
N. B. Gas & Edison Light Co., repairs,	2.25
Nuttall, James H., soap, etc.,	3.05
Pope, Abner P., stock and labor,	44.07
Register of Probate, Plymouth, copy of will,	.60

Richards, Geo. D., supplies,	7.76	
Sherman, C. R. & Son, keys,	.50	
So. Mass. Telephone Co., service and message,	42.30	
Sowle, F. L. & Co., hardware,	2.73	
Wing, C. F., rugs,	3.00	
Wood, Brightman & Co., burners and mantles,	2.60	\$135.15

\$6,077.00

To transfer to balance,

423.00

\$6,500.00

CR.

By appropriation,	\$4,000.00
By special appropriation,	2,500.00
	\$6,500.00

BOARD OF HEALTH.

DR.

Salaries :—

Dr. Edmond F. Cody, medical inspector,	\$416.70	
Wm. Deacon, plumbing inspector,	39.50	
Dr. C. A. Pratt, medical inspector,	83.30	
Louis H. Richardson, plumbing inspector,	1,400.00	
Susan J. Small, clerk,	600.00	2,539.50

Collecting garbage :—

Edgar H. Gammons,	15,000.00	15,000.00
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Carriage hire :—

Isaac L. Ashley,	13.50	
Kirby & Hicks,	28.25	41.75

Printing and advertising :—

E. Anthony & Sons, Incorp.,	72.03	
Catholic Union Pub. Co.,	11.00	
Correio Portuguez,	7.50	
L'Echo du Soir,	12.00	
Mercury Pub. Co.,	12.03	114.56

Rent :—

Bates, Kirby & Co.,	500.04	500.04
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Vaccinations and investigations :—

Dr. Anna W. Croacher,	226.00	
Dr. H. C. Ernst,	3.00	
Dr. C. D. Prescott,	5.00	
Dr. A. Martin Peirce,	10.00	244.00

Incidentals :—

Chas. E. Allen, painting,	5.76	
Ballard & Kirschbaum, index,	1.00	
Bates Mfg. Co., numbering machine,	16.00	
R. G. Bennett, burial,	8.00	
F. S. Blanchard & Co., year book,	1.50	
Wm. P. Briggs, labor on lock,	.50	
Manuel Brown, services at pest house,	47.10	
Emma D. Caswell, writing machine,	38.00	
“ “ typewriting,	5.75	
W. H. Collins & Co., binding reports,	8.50	
T. W. Cook, chairman, trav. exp. of board,	30.80	
C. H. Davenport, police service,	48.00	

F. M. Douglass, medical supplies,	253.10	
Wm. Deacon, stock and services as examiner,	70.03	
Fries Bros., chemicals,	11.50	
Edgar H. Gammons, cleaning vaults,	6.33	
Emma F. Greene, services,	55.35	
W. A. Greenough & Co., directory,	2.50	
Hatch & Co., express charges,	21.95	
H. S. Hutchinson & Co., stationery,	4.29	
C. H. & H. A. Lawton Co., medical supplies,	30.60	
William E. Macomber, janitor,	100.00	
Mercury Pub. Co., printing,	31.09	
“ “ “ subscription,	6.00	
H. K. Mulford, chemicals and apparatus,	51.70	
N. B. Gas & Edison Light Co., lighting,	8.25	
N. B. Steam Carpet Beating Co., cleaning,	5.22	
N. B. Towboat Co., transportation,	85.00	
J. H. Nuttall, vaccine points,	12.00	
Samuel W. Peckham, police service,	75.00	
Postal Telegraph Co., service,	.25	
Geo. D. Richards, duster,	1.40	
Esther I. Seals, services,	10.50	
Mortimer Searles, wood cut,	2.00	
C. R. Sherman & Son, key and electric fitting,	4.50	
So. Mass. Telephone Co., service,	54.00	
“ “ “ “ tolls,	.75	
Soule Decorating Co., fitting awnings,	1.50	
F. L. Sowle & Co., weather strip,	.75	
Robert W. Taber, stationery,	11.06	
“ “ “ subscription,	3.00	
Western Union Telegraph Co., service,	22.85	
Edward E. Wright, vaccine points,	15.00	1,168.38
		<u>\$19,608.23</u>

CR.

By appropriation,	\$16,000.00	
By special appropriation,	2,500	
Transfer to balance,	1,108.23	<u>\$19,608.23</u>

CEMETERIES.

DR.

Pay rolls :—

Oak Grove,	\$7,067.47	
Pine Grove,	589.02	
Rural,	10,040.18	\$17,696.67

Salaries :—

Charles F. Cornell, superintendent,	1,200.00	
Nelson L. Pike, sexton,	600.00	
H. E. Thomas, sexton,	600.00	
Pardon A. Macomber, clerk,	939.00	3,339.00

Sundries :—

F. T. Akin & Co., lettering door,	.75
E. Anthony & Sons, Incorp., printing,	25.75
J. E. Blake, powder,	.50
F. S. Blanchard & Co., year book,	1.50
Blossom Bros., moulding,	.58
C. T. Bosworth, acid,	.50
Briggs & Lawrence, portieres and fitting,	13.48
S. S. Broadbent, police service,	36.00
James Burke, dirt,	51.00
W. P. Butler, tools,	2.80
C. W. Coggeshall, tackle,	3.00
W. H. Collins & Co., binding and stationery,	60.15
D. H. DeMoranville, freight and carting,	14.11
DeWolf & Vincent, hardware, tools and paint,	192.89
John Dexter, clerical services,	84.80
David Duff & Son, coal,	11.40
C. L. Dunham, hose and washers,	213.93
David Ferguson, dirt,	27.50
E. Fournier, stubs,	23.45
E. C. Gardiner, carriage hire,	4.50
M. S. Greene, mason work,	45.00
W. A. Greenough & Co., directories,	7.50
R. J. Haight, subscription,	1.00
T. M. Hart, canvas,	7.94
A. B. Hathaway, plants,	2.50
N. P. Hayes, hardware and tools,	11.35
Hillman, Washburn & Co., tools,	9.60
H. B. Howland, repairs,	1.00
H. S. Hutchinson & Co., picture frames and hooks,	15.92

H. S. Hutchinson & Co., book and stationery,	22.63	
P. P. Jenney & Son, pick handles,	13.50	
Kirby & Hicks, carriage hire,	5.00	
C. H. & H. A. Lawton Co., acid, etc.,	1.89	
Library Bureau, index cards,	11.00	
S. C. Lowe, tools,	57.09	
P. A. Macomber, office expenses,	53.22	
Merchants National Bank, office rent,	300.00	
Mercury Pub. Co., paper and printing,	155.62	
Mishler Bros., tile,	66.00	
N. B. Gas & Edison Light Co., lighting,	14.10	
N. B. Ice Co., ice,	26.14	
George H. Nye, plates and prints,	14.50	
S. S. Paine & Bro., cement,	23.33	
C. S. Paisler, cement,	9.35	
Samuel W. Peckham, police service,	39.30	
Thomas J. Peed, police service,	38.00	
E. H. Peirce, twine,	.95	
William Peirce, plants,	9.50	
E. F. Penney, repairs,	2.58	
A. W. Perkins & Co., sand,	4.00	
S. F. Perry & Son, carriage hire,	5.00	
Frank L. Reed, labor,	2.00	
E. G. Reynolds, carriage hire,	3.00	
Geo. D. Richards, duster,	1.85	
W. A. Robinson & Co., sperm oil,	10.40	
Mortimer Searles, rubber stamps,	2.90	
C. R. Sherman, thermometer,	1.90	
James L. Sherman, lumber,	12.89	
John A. Smith, cinders,	30.00	
Southern Mass. Telephone Co., service,	113.00	
B. I. Stowell, dirt,	50.00	
A. A. Sylvia, blacksmithing,	6.50	
Julius C. Sylvia, blacksmithing,	35.80	
R. W. Taber, stationery,	27.59	
Taylor & Donaghy, blacksmithing,	125.90	
Charles H. Thomas, labor,	2.00	
T. B. Tripp, wheelbarrow,	3.00	
Union Street Railway Co., tickets,	70.00	
David Warren, dirt,	54.50	
P. C. Wilcox, blacksmithing,	28.05	
C. F. Wing, cushion,	4.00	2,328.38

Water mains :—

D. H. DeMoranville, freight and carting,	1.50
Henry F. Jenks, hydrants,	300.00

N. Y., N. H. & H. R. R., freight,	2.56	
N. B. Water Works, labor and supplies,	1,681.71	1,985.77
		\$25,349.82
December 5, 1898. Transfer to balance,		427.19
		\$25,777.01

CR.

Appropriation, general, 1898,	\$14,800.00	
“ special, 1898,	3,500.00	
Cash receipts, as per Treasurer's report,	7,477.01	\$25,777.01

CEMETERIES—SALE OF LOTS.

Dr.

Loam and cinders :—

James Burke,	\$268.10	
John Conners,	83.00	
Patrick Conners,	37.00	
T. S. Corson,	2.25	
James Duddy,	457.00	
D. Duff & Son,	48.00	
David Ferguson,	157.00	
F. B. Hathaway,	27.00	
Highways and streets,	1.41	
John W. Manchester,	9.00	
Joseph Marshall,	40.40	
John N. O'Brien,	59.00	
Frank Perry & Co.,	39.00	
Timothy Sheehan,	50.00	
John A. Smith,	35.75	
Benj. I. Stowell,	70.00	\$1,383.91

Shrubs, plants, seeds and dressing :—

Wm. S. Brown,	148.84	
Patrick Connors,	54.97	
Denison-Plummer Co.,	16.00	
David Ferguson,	66.96	
Hiram H. Gurney & Co.,	221.00	
Edw. S. Haskell,	34.75	
August Jahn,	86.79	
J. Frank Kirk,	10.00	
John McCullough,	16.50	
J. H. Paige,	14.49	
Wm. Peirce,	172.90	
Wilson & Wordell,	46.00	889.20

Sundries :—

M. A. Baker, labor on headstone,	45.00
Bliss & Nye, paper and pails,	13.10
Boston Engraving Co., photographs,	85.00
Briggs & Lawrence, furnishings,	8.31
W. H. Collins & Co., binding,	11.15
DeWolf & Vincent, paint,	71.60
“ “ tools,	93.56
Estate Wm. H. Allen, lot and tomb,	100.00

Geo. A. Eggers, powder and fuse,	25.45	
E. Fournier, pail stands,	121.00	
Hillman, Washburn & Co., lawn mowers,	31.50	
H. S. Hutchinson & Co., picturing framing,	57.05	
P. P. Jenney & Son, settees and tools,	150.20	
C. H. & H. A. Lawton Co., acid,	1.89	
S. C. Lowe, tools,	107.72	
Wm. Maxfield & Son, paint,	18.88	
John McCue, bound stones,	33.00	
Mishler Bros., tile,	36.50	
T. J. Moriarity, paper hanging,	1.78	
N. B. Cordage Co., cordage,	.39	
N. B. Foundry & Machine Co., stubs,	23.13	
N. Y., N. H. & H. R. R. Co., freight,	5.39	
Geo. H. Nye, plates and photographs,	25.00	
Joseph A. Olstein, painting,	114.20	
S. S. Paine & Bro, line and cement,	62.55	
C. S. Paisler, cement and pipe,	39.51	
E. F. Penney, plumbing,	1.58	
Charles E. Peirce, stock and labor,	97.43	
A. W. Perkins & Co., sand and cement,	37.56	
Geo. B. Richmond, registry fees,	3.25	
Edward Russell, painting,	29.50	
James L. Sherman, lumber,	13.28	
Frank B. Sistare, stock and labor,	9.77	
N. P. Sowle, glazing,	7.07	
Wm. R. West, painting,	40.73	
Wood, Brightman & Co., pump repairs,	3.85	1,526.88
		\$3,799.99
December 5, 1898. To balance,		1,725.10
		\$5,525.09

 CR.

December 6, 1897. By balance,	\$1,887.09	
Cash receipts, as per Treasurer's report,	3,638.00	\$5,525.09

 CR.

December 5, 1898. By balance,		\$1,725.10
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CEMETERY FUNDS.

December 5, 1898. By balance,

\$26,734.00

CITY PROPERTY.

DR

Almshouse:—

William Collins,	\$57.15	
S. H. Cook & Co.,	100.00	
T. W. Croacher,	27.93	
Greene & Wood,	15.27	
A. W. Perkins & Co.,	14.55	
Geo. A. Sturtevant,	14.94	
E. & K. C. Terry,	85.11	\$314.95

Cemeteries:—

M. S. Greene,	35.95	
Jenney & Buffington,	41.44	
John C. McLeod,	30.56	
John N. Morris,	111.81	219.76

City Hall:—

F. T. Akin & Co.,	.75	
Babbitt, Wood & Co.,	124.39	
Jason L. Ballou,	22.44	
George Brennan,	20.50	
Briggs & Lawrence,	6.10	
Wm. S. Brown,	116.25	
T. M. Hart & Co.,	3.25	
Highways and streets,	334.17	
Kern & Wright,	9.73	
Anthony Loftus,	97.91	
N. B. Boiler & Machine Co.,	2.68	
N. B. Gas & Edison Light Co.,	171.38	
E. F. Penney,	3.28	
C. B. Piper,	9.00	
A. P. Pope,	17.02	
J. H. Warren,	126.05	
C. F. Wing,	33.02	1,097.92

Engine Houses :—

Chas. E. Allen,	\$27.70	
H. M. Atwood,	16.52	
Blossom Bros,	218.97	
Geo. A. Bosworth,	8.19	
T. W. Croacher,	6.74	
C. L. Dunham,	80.98	
John W. Footman,	29.68	
M. A. Hickey,	1.85	
Highways and streets,	.27	
John C. McLeod,	7.40	
John J. Meaney,	177.88	
E. F. Penney,	.54	
A. W. Perkins,	113.80	
Sewer taxes, Davis street,	64.04	
John B. Sullivan,	821.35	
E. & K. C. Terry,	22.65	\$1,598.56

Library building :—

Almy & Hitch,	5.72	
Babbitt, Wood & Co.,	124.61	
Jason L. Ballou,	17.18	
Bliss & Nye,	6.00	
Briggs & Lawrence,	134.62	
Wm. S. Brown,	101.86	
Wm. H. Caswell,	568.69	
H. Charpentier,	105.00	
Coggeshall, Maxfield & Co.,	4.60	
S. H. Cook & Co.,	50.00	
C. L. Dunham,	13.30	
W. S. Hill Electric Co.,	18.00	
Hillman, Washburn & Co.,	.94	
P. P. Jenney & Son,	2.35	
John L. G. Mason,	17.41	
N. B. Boiler & Machine Co.,	2.68	
N. B. Gas & Edison Light Co.,	7.44	
N. B. Monumental Works,	6.00	
N. B. Steam Carpet Beating Est.,	2.68	
E. F. Penney,	10.17	
C. B. Piper,	26.00	
A. P. Pope,	51.95	
C. R. Sherman,	1.25	
Geo. A. Sturtevant,	41.96	
John B. Sullivan,	82.85	
Wood, Brightman & Co.,	45.76	1,449.02

Police stations :—

Jason L. Ballou,	\$92.19	
Edward J. Begley,	43.15	
Samuel H. Cook & Co.,	100.00	
M. A. Hickey,	34.74	
Highways and streets,	22.62	
Jenney & Buffington,	12.36	
A. P. Pope,	46.52	\$351.58

School buildings :—

Geo. A. Bosworth,	189.23	
City Coal Co.,	1.75	
T. S. Corson,	4.85	
Henry M. Gifford,	113.60	
C. A. Gray,	.50	
Hillman, Washburn & Co.,	.37	
S. C. Hunt,	1,000.00	
John B. Sullivan,	140.25	1,450.55

Ward rooms :—

M. A. Hickey,	37.30	
Highways and streets,	2.40	
John J. Meaney,	106.39	
E. F. Penney,	2.73	
John B. Sullivan,	8.35	157.17

Miscellaneous :—

E. Anthony & Sons, advertising,	17.25	
I. L. Ashley, carriage hire,	3.00	
E. C. Gardiner, carriage hire,	18.50	
P. P. Jenney & Son, stock and labor,	54.08	
Kirby & Hicks, carriage hire,	6.00	
Mercury Pub. Co., advertising,	12.25	
A. P. Pope, labor and carting,	2.50	
Geo. D. Richards, cuspidors,	7.50	
B. I. Stowell, labor and teaming,	2.40	
R. W. Taber, paper and rubber stamp,	2.50	125.98

\$6,765.49

Transfer to balance,

634.51

\$7,400.00

CR.

By appropriation,	\$6,400.00	
Transfer from unappropriated funds,	1,000.00	\$7,400.00

ALMSHOUSE—ALTERATIONS.

Dr.

E. Anthony & Sons, advertising,	\$9.90	
Cornelius Callahan Co., fire supplies,	323.00	
Thomas W. Croacher, lumber,	4.32	
General sewers, stock labor, and teaming,	1,451.28	
E. B. Macy, blacksmithing,	16.80	
J. L. G. Mason, agent, stock and labor,	96 21	
Mercury Publishing Co., advertising,	9.00	
C. S. Paisler, brick and cement,	34.50	
E. F. Penney, plumbing,	1,160.05	
R. H. Slack, architect fees,	* 746.96	\$3,852.02
Transfer to Poor Department,		8,000.00
December 5, 1898. To balance,		1,139.79
		\$12, 991.81

Cr.

December 6, 1897. By balance,		\$12,991.81
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Cr.

December 5, 1898. By balance,		\$1,139.79
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POLICE STATION.

KEMPTON AND CEDAR STREETS.

Dr.

Benson & Bulman, contractors,	\$14,250.29	
Highways and streets, removing trees,	22.78	
R. H. Slack, architect,	30.00	\$14,303.07

CR.

December 6, 1897. By balance,	\$11,759.99	
By special appropriation,	2,543.08	<u>\$14,303.07</u>

ENGINE HOUSE LOT.
KEMPTON AND REED STREETS.

DR.

C. A. and C. J. Sloeum, land,	<u>\$2,257.20</u>
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CR.

By special appropriation,	<u>\$2,257.20</u>
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GRAVEL LOT.
HILLMAN, LINDSEY AND NORTH STREETS.

DR.

John M. Burgess, land,	<u>\$6,764.12</u>
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CR.

By special appropriation,	<u>\$6,764.12</u>
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RURAL CEMETERY.

DR.

Thos. B. Tripp, land,	<u>\$2,250.00</u>
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CR.

By special appropriation,	<u>\$2,250.00</u>
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BROCK AVENUE, SCHOOLHOUSE.

Dr.

C. Hammond & Son, architects,	\$528.42	
Highways and streets, filling and teaming,	1,681.98	
John B. Sullivan, contractor,	11,815.51	\$14,025.91
December 5, 1898. To balance,		.94
		<u>\$14,026.85</u>

Cr.

December 6, 1897. By balance,	\$8,185.82	
By special appropriation,	5,038.00	
Transfer from unappropriated funds,	803.03	\$14,026.85

SCHOOLHOUSE, BROCK AVENUE—HEATING
AND VENTILATING.

Dr.

The Magee Furnace Co.,	\$2,044.60	
December 5, 1898. Balance,	500.00	<u>\$2,544.60</u>

Cr.

December 6, 1897. By balance,	<u>\$2,544.60</u>
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Cr.

December 5, 1898. Balance,	<u>\$500.00</u>
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GEORGE H. DUNBAR SCHOOLHOUSE.

Dr.

T. E. Mahoney,	\$943.07	
E. F. Penney,	100.41	
The Powers Regulator Co.,	368.00	
A. A. Sanborn,	575.00	
Martin H. Sullivan,	2,753.20	
To transfer to balance,	.19	<u>\$4,739.87</u>

CR.

December 6, 1897. By balance,	\$1,945.19	
By special appropriations,	2,794.68	\$4,739.87

SCHOOLHOUSE.

PHILLIPS AVENUE AND BOWDITCH STREET.

DR. -

Powers Regulator Co.,	\$368.00	
A. A. Sanborn,	698.00	\$1,066.00

CR.

December 6, 1897. Balance,	\$400.30	
By special appropriations,	665.70	\$1,066.00

SCHOOLHOUSE—PHILLIPS AVENUE AND
BOWDITCH STREET—CURBING.

DR.

John B. Sullivan, contractor,	\$1,349.00
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CR.

December 6, 1897. By balance,	\$940.00	
By special appropriation,	409.00	\$1,349.00

SCHOOLHOUSE LOT.
COGGESHALL AND BOWDITCH STREETS.

DR.

A. Davis Ashley, land,	\$9,902.82	
John F. Vinal, land,	2,707.20	\$12,610.02

CR.

By special appropriation,	\$12,610.02

COMMONWEALTH OF MASSACHUSETTS,
CHAP. 62 OF 1894.

BURIAL OF SOLDIERS.

DR.	
December 6, 1897. To balance,	\$105.00

CR.	
By cash receipts as per Treasurer's report,	\$105.00

COMMONWEALTH OF MASSACHUSETTS,
CHAP. 164 OF 1897.

BURIAL OF SOLDIERS.

DR.	
R. G. Bennett,	\$105.00
W. C. Vaughn, Jr.,	175.00
E. T. Wilson,	105.00
	\$385.00

CR.	
By cash receipts as per Treasurer's report,	\$105.00
December 5, 1898. To balance,	280.00
	\$385.00

DR.	
December 5, 1898. To balance,	\$280.00

COMMONWEALTH OF MASSACHUSETTS,
CHAP. 279 OF 1896.

BURIAL OF SOLDIERS.

DR.	
December 6, 1897. To balance,	\$315.00

CR.	
By transfer to balance,	\$315.00

COMMONWEALTH OF MASSACHUSETTS,
CHAP. 279 OF 1894.

SOLDIERS' AID.

DR.

December 6, 1897. To balance,	\$1,063.61	
Disbursements by City Treasurer,	2,059.00	\$3,122.61

CR.

By appropriation,	\$1,100.00	
Cash receipts, as per Treasurer's report,	1,103.00	
December 5, 1898. To balance,	919.61	3,122.61

DR.

December 5, 1898. To balance,		\$919.61
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COMMONWEALTH OF MASSACHUSETTS,
CHAP. 301 OF 1894.

STATE AID.

DR.

December 6, 1897. To balance,	\$9,436.17	
Disbursements by City Treasurer,	10,246.50	\$19,682.67

CR.

Cash receipts as per Treasurer's report,	\$10,187.64	
December 5, 1898. To balance,	9,495.03	\$19,682.67

DR.

December 5, 1898. To balance,		\$9,495.03
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COMMONWEALTH OF MASSACHUSETTS,
CHAP. 447 OF 1890.

SOLDIERS' RELIEF.

DR.

Ashley & Peirce Clothing Co.,	\$17.73	
J. W. Bates & Co.,	11.00	
Boston Beef Co.,	72.40	
Briggs & Lawrence,	2.75	
City Treasurer,	7,721.90	
David Duff & Son,	85.20	
A. Davis,	3.00	
D. B. Folger,	5.00	
E. M. Frasier,	3.00	
Geo. P. Gifford,	10.00	
Dr. G. F. Lewis,	103.50	
Edwin P. Sowle,	8.00	
Augustus C. Tripp,	5.00	
Union Boot & Shoe Co.,	23.25	
White Cash Store,	12.00	
E. Williams,	4.00	\$8,087.73

CR.

By appropriation,	\$6,000.00	
Transfer from unappropriated funds,	1,600.00	
Transfer to balance,	487.73	\$8,087.73

COMMONWEALTH OF MASSACHUSETTS,
CHAP. 561 OF 1898.

STATE AID.

DR.

City Treasurer, disbursements,	\$488.00
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DR.

December 5, 1898. To balance,	\$488.00
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COURT JUDGMENTS.

DR.			
Philip Genensky,		\$234.61	
Edward M. Hart,		325.00	
Ruth E. Niles,		350.00	\$909.61
CR.			
By transfer to balance,			\$909.61

ELECTIONS.

DR.			
Precinct officers,			\$1,185.00
Clerical help :—			
H. V. Gardner,	\$5.00		
Stephen Hafford, Jr.,	10.00		
B. F. Hathaway, Jr.,	10.00		
Edwin B. Jourdain,	5.00		
Hiram W. Look,	6.00		
W. R. Myrick,	5.00		
John N. O'Brien,	5.00		
W. H. B. Remington,	10.00		
Arthur C. Spooner,	5.00		
E. L. Tillinghast,	5.00		\$66.00
Hack hire :—			
I. L. Ashley,	\$6.00		
C. R. Cornell,	3.00		
E. C. Gardiner,	6.00		
Kirby & Hicks,	6.00		
C. H. Murphy,	9.00		
S. F. Perry & Son,	9.00		
E. G. Reynolds,	6.00		
W. D. Richards,	6.00		
Allen Smith, Jr.,	9.00		
T. S. Swift,	9.00		
A. A. Sylvia,	12.00		
David Warren,	18.00		99.00
Rents :—			
H. K. Haskins, agent,	10.00		
Joseph W. Jones,	40.00		50.00

Printing and advertising :—

E. Anthony & Sons,	\$891.13	
Catholic Union Publishing Co.,	216.50	
Daily Independent,	140.77	
L'Echo du Soir Publishing Co.,	47.90	
Mercury Publishing Co.,	1,251.18	\$ 2,547.48

Incidentals :—

J. B. Ashley, Jr., lunches,	1.50	
Briggs & Lawrence, rent furniture,	.60	
A. T. Brownell, lunches,	7.90	
C. H. Brownell & Son, hod and shovel,	.60	
W. H. Collins & Co., ruling and binding,	60.35	
DeWolf & Vincent, tacks,	.20	
D. Duff & Son, fuel,	1.65	
C. L. Dunham, fuel, pipe and labor,	4.50	
Faunce & Johnson, fitting booths,	29.51	
Patrick Ferguson, cleaning,	5.00	
John A. Gomley, carting,	20.00	
T. M. Hart & Co., rent of canvas,	11.50	
H. S. Hutchinson & Co., wire,	.24	
N. B. Gas & Edison Light Co., labor, stock and lighting,	42.38	
John Notter, fuel,	2.92	
E. F. Penney, metal card holders,	8.00	
A. D. Piper, services,	4.00	
C. B. Piper, services,	8.00	
D. M. Piper, services,	6.00	
J. Arthur Piper, services,	.50	
Geo. D. Richards, tacks and candlesticks,	.85	
R. S. Robson, fitting bollot boxes,	30.90	
E. B. Sherman, lunches,	9.75	
E. T. Sherman, services,	87.30	
F. R. Slocum, rent furniture,	1.50	
So. Mass. Telephone Co., tolls,	.29	
R. W. Taber, stationery,	5.46	
F. H. Winship, lunches,	9.75	361.15
		<u>\$4,308.63</u>
Transfer to balance,		641.37
		<u>\$4,950.00</u>

CR.

By transfer from unappropriated funds,

\$4,950.00

ENGINEERING DEPARTMENT.

DR.

Pay rolls:		\$6,314.64
William F. Williams, City Engineer,		2,500.00
F. T. Akin & Co., paint, glass and labor,	.99	
Edwin Allen, express,	.50	
I. L. Ashley, carriage hire,	1.00	
E. Anthony & Sons, paper and printing,	7.25	
Jason L. Ballou, stock and labor,	37.54	
F. S. Blanchard & Co., year book,	1.50	
Wm. P. Briggs, battery and chemicals,	1.40	
C. O. Brightman, stock and labor,	21.27	
F. S. Brightman, stationery,	11.27	
T. S. Buck, ink and rubber stamps,	4.10	
Buff & Berger, tools and repairs,	12.61	
Church & Hammond, supplies,	.90	
City Government Publishing Co., subscription,	3.00	
W. H. Collins & Co., binding,	9.25	
C. S. & B. Cummings, soap and matches,	3.20	
Thomas Donaghy, rubber tubing,	.40	
A. B. Drake, services,	1.00	
Draper Mfg. Co., pens and ink,	1.00	
C. L. Dunham, stock and labor,	125.65	
W. T. Emery, mantles and chimneys,	1.60	
Alex. Felton, janitor,	5.00	
F. W. Francis, cigars,	3.25	
Frost & Adams Co., surveyors' supplies,	44.88	
Harriet H. Gilman, rent,	496.41	
Greene & Wood, cedar stubs,	2.50	
Hatch & Co., express,	12.85	
N. P. Hayes, tacks,	1.30	
Highways and streets, stock and labor,	105.74	
Hillman, Washburn & Co., tacks and nails,	.57	
H. S. Hutchinson & Co., books, frame and mounting,	8.45	
Wm. L. Kelley, repairs,	2.50	
A. B. Kimball, stock and labor,	111.56	
Kirby & Hicks, carriage hire,	45.00	
Kueffel & Esser Co., surveyors' supplies,	27.00	
Joseph H. Lawrence, stub pins,	3.00	
Library Bureau, index cards,	18.50	
Mercury Publishing Co., printing,	21.78	
Metcalf & Desmond, surveying,	11.95	

James E. Moody, repairs,	\$3.90	
Moynan & Co., towels,	1.50	
Municipal Engineering Co., subscription,	2.00	
Peter Nelson, boat hire,	2.10	
N. B. Gas & Edison Light Co., lighting,	20.46	
N. B. Ice Co., ice,	26.14	
Geo. H. Nye, paper,	1.50	
Odd Fellows Building Association, rent,	247.04	
S. S. Paine & Bro., lime and cement,	16.26	
Geo. W. Pasell, services,	16.00	
S. F. Perry & Son, carriage hire,	34.25	
E. H. Pierce, copper wire,	.30	
A. D. Piper, washing towels,	6.02	
John C. Rankin, blank book,	2.50	
Rice, Kendall & Co., bond paper,	27.70	
George D. Richards, cord and paper,	1.15	
L. E. Shurtleff, repairs,	1.50	
E. G. Soltman, drawing paper,	6.95	
So. Mass. Telephone Co., service and tolls,	71.27	
Spalding Print Paper Co., paper,	39.95	
John B. Sullivan, bound stones,	32.00	
R. W. Taber, stationery and subscription,	28.74	
Union Street Railway Co., car tickets,	100.00	
James H. Warren, stock and labor,	12.00	
Western Union Telegraph Co., telegrams,	3.55	
W. F. Williams, mileage, postage and expenses,	47.02	
C. F. Wing, shades and repairs,	3.25	1,922.72
		\$10,737.36
Transfer to balance,		62.64
		\$10,800.00
 CR.		
By appropriation,	8,000.00	
By special appropriation,	2,500	
Transfer from unappropriated funds,	300.00	\$10,800.00

ENGINEERING DEPARTMENT—GRADE CROSSINGS.

DR.

Pay rolls :		\$490.55
Albion T. Brownell, dinners,	\$11.25	
W. H. Collins & Co., binding,	5.00	
Hatch & Co., express,	.25	
D. P. Lanagan, witness fees,	6.00	
Mercury Publishing Co., advertising,	7.50	
S. F. Perry & Co., carriage hire,	15.00	
F. R. Slocum, rent of furniture,	8.75	
So. Mass. Telephone Co., tolls,	1.50	
Spalding Print Paper Co., paper,	13.31	
Western Union Telegraph Co., telegrams,	1.90	
W. F. Williams, travelling exp. and decrees,	59.38	129.84
		\$620.39
December 5, 1898. To balance,		357.90
		\$978.29

CR.

December 6, 1897. By balance,	\$978.29
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CR.

December, 5, 1898. By balance,	\$357.90
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FIRE DEPARTMENT.

Dr.

Pay rolls:—

Frederick Macy, chief engineer,	\$1,000.00	
Loring T. Parlow, 1st assistant engineer,	350.00	
Edward F. Dahill, 2d assistant engineer,	250.00	
James J. Donaghy, 3d assistant engineer,	250.00	
William A. Gibbs, 4th assistant engineer,	250.00	
Frederick B. Macy, clerk,	200.00	\$2,300.00

Protecting Society,	150.00	
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Permanent men,	43,480.86	
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Engine Co. No. 1,	\$1,398.36	
“ “ No. 2,	1,272.24	
“ “ No. 4,	1,393.24	
“ “ No. 5,	1,393.74	
“ “ No. 6,	1,402.89	
“ “ No. 7,	1,393.74	
“ “ No. 8,	1,276.87	
“ “ No. 9,	575.00	
Hook and Ladder Co. No. 1,	1,272.50	
“ “ “ “ No. 2,	1,272.50	
“ “ “ “ No. 3,	1,275.63	
Hose Co. No. 2,	700.42	
Chemical Engine Co. No. 1,	412.50	15,039.63

Repairs of wagons and engines:—

F. A. Bonneau,	22.25	
Brownell, Ashley & Co.,	384.22	
E. M. Durfee,	67.71	
James R. Forbes, manager,	35.00	
L. J. Hathaway,	5.10	
Charles T. Holloway,	65.05	
Clarence Lowell,	5.00	
John F. Parker,	12.00	
F. H. Peckham,	8.80	
Taylor & Donaghy,	20.63	
C. L. Tripp,	18.00	643.76

Repairs of harnesses:—

Wm. Cronin & Co.,	291.84	
C. F. Cushing,	15.25	
F. C. Dunham,	2.25	
F. A. Frates,	116.75	

George C. Hale,	\$80.00	
T. F. Healey,	54.70	
George G. Huddy,	27.55	
C. N. Perkins & Co.,	189.00	\$777.34

Repairs of engine houses :—

F. T. Akin & Co.,	23.54	
Charles E. Allen,	2.75	
Benson & Bulman,	3.92	
Geo. A. Bosworth,	6.36	
Broad Guage Iron Works,	109.00	
A. Charpentier,	5.00	
T. W. Chace & Co.,	6.73	
Coggeshall, Maxfield & Co.,	6.12	
James F. Collins,	263.34	
M. E. Daley,	43.46	
F. P. Drew,	10.82	
P. D. Drew,	55.89	
C. L. Dunham,	83.55	
Fournier & Nicholson,	5.35	
M. S. Gifford,	10.46	
Thos. J. Gifford & Co.,	.95	
Greene & Wood,	63.10	
M. S. Greene,	14.45	
F. W. Hammond,	8.42	
Highways and streets,	73.50	
A. B. Kimball,	135.05	
S. C. Lowe,	38.66	
T. E. Mahoney,	13.80	
J. L. G. Mason, agent,	84.03	
John J. Meaney,	83.48	
C. S. Paisler,	3.66	
E. F. Penney,	16.76	
Orion Ricketson,	102.48	
John H. Ryan,	386.24	
James L. Sherman,	8.26	
John F. Silvia,	248.30	
Martin H. Sullivan,	139.92	
E. & K. C. Terry,	13.28	
Charles Thompson,	38.77	
Lettice R. Washburn,	14.14	
William R. West,	40.52	
Wood, Brightman & Co.,	73.42	2,237.48

Hay, Grain and fuel:—

Geo. S. Ashley,	\$10.20	
William Baylies,	1,161.13	
Edward Begley,	2.50	
H. T. Borden,	12.75	
J. A. Bouvier,	149.15	
Charles A. Braley,	3.40	
Joseph T. Brownell,	28.94	
T. S. Corson,	269.05	
Denison Bros. Co.,	8.00	
Denison-Plummer Co.,	427.26	
David Duff & Son,	907.02	
James Haskins,	4.25	
John Hilton,	7.00	
Clark W. Holcomb,	14.94	
Roland Holcomb,	15.96	
A. W. Holmes,	2.50	
S. L. Horvitz,	315.93	
L. B. Howland,	5.70	
Mary P. Hubbard,	80.46	
P. P. Jenney & Son,	32.04	
Charles S. Kelley,	766.32	
J. Frank Kirk,	251.56	
Mortimer McCarty,	555.47	
Marston, Converse & Co.,	143.58	
John Notter,	152.18	
Frank Peirce,	10.26	
Poor department,	254.11	
D. C. Potter,	58.92	
W. F. Shockley,	9.15	
John Vincent,	22.91	
L. A. Washburn,	3.00	\$5,685.64

Horse and carriage hire, and horses:—

Henry T. Ashley,	24.00
Isaac L. Ashley,	23.25
J. V. Bancroft,	5.00
Wm. P. Brightman,	28.00
City Coal Co.,	125.00
S. Desautels,	20.00
J. W. Dyer,	1.50
I. B. Eldridge,	175.00
E. C. Gardiner,	18.00
H. C. Hathaway, agent,	630.00
C. L. Kenyon & Co.,	165.00
Mortimer McCarthy,	45.50

Isaac H. Manchester,	\$24.00	
S. F. Perry & Son,	2.00	
Wm. D. Richards,	2.50	
Timothy Sheehan,	29.50	
Allen Smith, Jr.,	3.00	
A. A. Sylvia,	15.00	
Joseph S. Sylvia,	12.50	
E. & K. C. Terry,	190.00	
Charles H. Thomas,	275.00	
David Warren,	28.00	\$1,841.75

Blacksmithing :—

F. A. Bonneau,	68.23	
Brownell, Ashley & Co.,	5.75	
N. H. Caswell,	49.60	
H. B. Churbuck,	86.68	
Emergency Horse Shoe Supply Co.,	6.25	
Fichtenmayer & Flynn,	253.38	
John W. Footman,	39.56	
N. T. Fuller, manager,	38.50	
A. E. Hathaway,	106.15	
J. L. Luce,	56.25	
E. L. Macomber,	65.35	
E. B. Macy,	244.35	
Julius C. Sylvia,	29.00	
Taylor & Donaghy,	77.18	
U. Vigneault,	37.70	1,163.93

Supplies :—

Acushnet Iron Co.,	59.28	
F. T. Akin & Co.,	6.55	
American Electrical Works,	38.17	
Babbitt, Wood & Co.,	25.66	
J. A. & W. Bird & Co.,	116.60	
Bliss & Nye,	8.13	
Harry E. Borden,	9.20	
Broad Gauge Iron Works	84.43	
Briggs & Lawrence,	45.70	
D. D. Briggs,	21.35	
Brownell, Ashley & Co.,	1.00	
Bullock & Waldron,	10.10	
Cornelius Callahan Co.,	387.00	
H. E. Chadwick,	13.00	
P. Cornell,	9.50	
H. T. Corson,	22.35	
J. T. Cowper & Co.,	9.00	

C. S. & B. Cummings,	\$2.25	
C. F. Cushing,	27.55	
E. F. Dahill,	8.10	
W. E. Decrow,	375.00	
DeWolf & Vincent,	66.20	
R. E. Dietz & Co.,	11.40	
Thomas Donaghy,	.90	
Driscoll, Church & Hall,	139.09	
C. L. Dunham,	1.33	
Edes Mfg. Co.,	80.00	
Gardner & Southwick,	36.64	
John Graham,	3.00	
Jonathan Handy Co.,	1.44	
T. M. Hart & Co.,	12.29	
N. P. Hayes,	4.35	
S. F. Hayward & Co.,	10.00	
Thomas Hersom & Co.,	7.50	
Hillman, Washburn & Co.,	6.29	
George S. Homer,	10.50	
Hopkins & Wright,	3.25	
C. S. Knowles,	41.95	
S. C. Lowe,	7.50	
T. J. Moriarty,	1.00	
N. B. Cordage Co.,	17.67	
N. B. Foundry & Machine Co.,	9.27	
New England Gamewell Co.,	10.00	
New Jersey Car Spring & Rubber Co.,	79.50	
Packard Hardware Co.,	21.65	
C. N. Perkins & Co.,	29.00	
E. H. Peirce,	25.16	
Pope's Island Mfg. Co.,	6.36	
George D. Richards,	18.56	
C. N. Richardson,	64.50	
C. R. Sherman,	2.54	
F. L. Sowle & Co.,	61.98	
Southern Mass. Telephone Co.,	14.28	
Sulpho Naphthol Co.,	24.00	
Taylor & Sawtelle,	27.72	
Wamsutta Mills,	14.00	
Washburn & Moen Mfg. Co.,	54.00	
William R. West,	6.90	
E. B. Whiting & Co.,	86.87	
Samuel Whitlow,	.20	
John S. Willams,	40.50	\$2,339.21

Miscellaneous :—

Allen's Express,	\$1.80
Almy & Hitch, repair flags,	6.00
American Tube Works, tubes,	51.00
E. Anthony & Sons, subscriptions,	48.00
Dr. D. C. Ashley, medicine,	6.00
Babbitt, Wood & Co., pipe,	.36
H. P. Babson, medicine,	4.00
John B. Baylies, chairs,	11.40
F. S. Brightman, stationery,	13.50
W. H. Collins & Co., binding,	3.00
Dr. A. C. Daniels, medicine,	40.00
Walter H. Darling, steward,	20.00
D. H. DeMoranville, freight and carting,	2.10
F. M. Douglass, medicine,	18.25
James Duddy, use of gear,	3.50
Albert A. Dunlap, doctoring,	129.50
W. T. Emery, chimneys,	1.45
Engineering Department, maps,	1.50
Fairfield Ice Co., ice,	16.07
C. A. Galligan, furniture and repairs,	26.20
Gardiner & Southwick, heater,	25.00
General sewers, trench digging,	27.66
C. A. Gray & Co. freight and carting,	22.03
Hatch & Co., express,	15.80
A. E. Hathaway, rent,	120.00
C. H. & H. A. Lawton Co., medicine,	14.12
Arthur C. Leonard & Co., ladder,	16.00
Frederick Macy, horse board,	300.00
Frederick Macy, disbursements,	188.04
H. M. Maine, carpet beating,	15.77
Mercury Publishing Co., printing,	36.80
Lewis S. Moore, watching,	8.25
N. B. Boiler Machine Co., labor and stock,	2 49
N. B. Gas & Edison Light Co., wiring and repairs,	38.35
N. B. Gas & Edison Light Co., lighting,	\$30.40
N. B. Ice Co., ice,	29.06
N. Y., N. H. & H. R. R. Co., freight,	22.40
George J. Parker, horse board,	15.00
Frank R. Pease, medicine,	1.55
Rockdale Ice Corp., ice,	27.13
J. H. Shay, Jr., dentistry,	64.00
R. B. Skelley & Co., medicine,	8.00
Southern Mass. Telephone Co., rents,	450.00

R. W. Taber, stationery,	\$15.98	
George Thomas, ice,	28.50	
Charles H. Tripp, ice,	10.70	
James H. Warfield, watching,	8.25	
Edmond L. Wilde, services,	50.00	
Charles F. Wing, upholstery,	6.00	2,800.91
		\$78,460.51
Transfer to balance,		40.24
		\$78,500.75

 CR.

By appropriation,	\$62,800.00	
By special appropriation,	15,700.00	
Receipts as per Treasurer's report,	.75	\$78,500.75

FIRE DEPARTMENT—UNDERGROUND WIRES.

DR.

Pay roll:		\$143.00
Babbitt, Wood & Co., stock and labor,	\$18.90	
W. R. Brixey, wire,	504.16	
James Duddy, gear,	4.00	
Gardner & Southwick, castings,	18.72	
C. A. Gray & Co., freight and carting,	19.42	
N. B. Copper Co., yellow metal,	33.67	
Pope's Island Mfg. Co., castings,	84.37	683.24
		\$826.24
Transfer to balance,		24.64
		\$850.88

CR.

December 6, 1897. By balance,	\$350.88	
By special appropriation,	500.00	\$850.88

FREE PUBLIC LIBRARY.

DR.

Salaries :—

R. C. Ingraham, librarian,	\$2,250.00	
B. W. Pennock, assistant librarian,	1,650.00	
B. A. Andress, assistant,	229.00	
E. T. Bannon, “	12.50	
Wm. F. Bannon, “	226.00	
Anna M. DeWolf, “	547.13	
Florence E. Farwell, assistant,	540.00	
Susie H. Gammons, “	540.00	
B. H. Humphries, “	313.50	
Etta F. Lawrence, “	540.00	
Emma J. Merrick, “	134.66	
Josephine A. Merrick, “	540.00	
L. N. Nichols, “	400.00	
Frank O'Connor, “	75.00	
Richard Ames, janitor,	18.00	
Y. W. Ames, “	728.00	
P. H. Dollard, fireman,	70.00	
Arthur C. Lee, page,	140.00	
George C. Lees, “	172.50	
Herbert E. Macy, page,	173.25	
William O'Hara, “	63.00	
Robert S. Weaver, “	141.50	
Albert Yaeger, “	26.25	
Clement L. Yaeger, “	422.50	\$9,952.79

Miscellaneous :—

E. Anthony & Sons, printing,	235.85
Geo. L. Briggs, newspaper subscriptions,	58.75
Coffin Brothers, paper boxes,	20.00
W. H. Collins & Co., binding,	545.85
Greene & Wood, book holders,	22.50
N. P. Hayes, hardware,	7.03
H. S. Hutchinson & Co., binding,	489.55
Library Bureau, index cards,	38.46
Mercury Publishing Co., printing,	65.50
N. B. Gas & Edison Light Co., lighting and repairs,	39.24
A. P. Pope, stock and labor,	47.76

Henry H. Sampson, magazine subscriptions,	137.20	
So. Mass. Telephone Co., service,	\$21.00	\$1,728.69
		\$11,681.48

CR.

By appropriation,	\$10,000.00	
Transfer from unappropriated funds,	1,500.00	
Transfer to balance,	181.48	\$11,681.48

FREE PUBLIC LIBRARY—DOG FUND.

DR.

Almy & Milne,	\$71.00
E. Anthony & Sons,	3.00
Berlin Photographic Co.,	2.57
L. & G. Bernandat,	6.61
Boston Book Co.,	57.00
J. Q. Bradish & Co.,	13.92
Briggs & Lawrence,	3.25
Geo. L. Briggs,	6.45
F. S. Brightman Co.,	4.45
T. S. Buck,	3.00
A. S. Clark,	12.65
W. H. Collins & Co.,	99.20
Damrell & Upham,	2.98
C. H. Dunton & Co.,	2.40
Fratelli Allinari Fotografi,	106.39
W. S. Houghton,	16.00
H. S. Hutchinson & Co.,	53.85
Library Bureau,	38.52
Mercury Publishing Co.,	17.39
Morse Twist Drill & Machine Co.,	24.12
Carlo Naya,	1.60
George R. Phillips,	3.00
C. B. Richards & Co.,	9.41
H. H. Sampson,	462.00
P. B. Sanford,	20.25

1898.

AUDITOR'S REPORT.

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J. S. Sisson,	\$3.00	
So. Mass. Telephone Co.,	20.18	
Wm. M. Spooner & Co.,	6.25	
Taber Prang Art Co.,	75.24	
R. W. Taber,	8.88	
R. Tamme,	2.04	
C. D. Waldron,	1.00	
G. W. Witson & Co.,	38.56	\$1,196.16
December 5, 1898. To balance,		315.03
		\$1,511.19

 CR.

December 6, 1897. By balance,	\$163.33	
Cash receipts as per Treasurer's return,	1,347.86	\$1,511.19

 CR.

December 5, 1898. By balance,		\$315.03

FREE PUBLIC LIBRARY TRUSTEES—JAMES
B. CONGDON FUND.

Dr.

Geo. E. Littlefield,	\$16.22	
December 5, 1898. To balance,	57.69	\$73.91

Cr.

December 6, 1897. By balance,	\$43.91	
Income from fund,	30.00	\$73.91

Cr.

December 5, 1898. By balance,		\$57.69
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FREE PUBLIC LIBRARY TRUSTEES—GEORGE
O. CROCKER FUND.

Dr.

N. J. Bartlett & Co.,	\$11.43	
December 5, 1898. To balance,	402.15	\$413.58

Cr.

December 6, 1897. By balance,	\$13.58	
Income from fund,	400.00	\$413.58

Cr.

December 5, 1898. By balance,		\$402.15
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FREE PUBLIC LIBRARY TRUSTEES — OLIVER CROCKER FUND.

Dr.

Geo. E. Littlefield,	\$73.43	
December 5, 1898. To balance,	.22	\$73.65

Cr.

December 6, 1897. By balance,	\$13.65	
Income from fund,	60.00	\$73.65

Cr.

December 5, 1898. By balance,		.22
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FREE PUBLIC LIBRARY TRUSTEES — GEORGE HOWLAND, JR. FUND.

Dr.

American Technical Book Co.,	\$10.80	
Harper's Weekly Club,	20.00	
Houghton, Mifflin & Co.,	25.00	
Huguenot Society of London,	109.75	
Little, Brown & Co.,	25.00	\$190.55
December 5, 1898. To balance,		96.68
		\$287.23

Cr.

December 6, 1897, By balance,	\$191.23	
Income of fund,	96.00	\$287.23

Cr.

December, 5, 1898. By balance,		\$96.68
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FREE PUBLIC LIBRARY—SYLVIA ANN
HOWLAND FUND.

DR.

Academy of Natural Science,	\$5.00
American Antiquarian Society,	3.00
American Magazine Exchange,	5.50
D. Appleton & Co.,	16.20
J. O. Austin,	5.00
F. W. Bailey,	2.00
Bancroft-Whitney Co.,	24.00
N. J. Bartlett & Co.,	564.19
F. S. Blanchard & Co.,	3.00
Boston Book Co.,	2.50
Boston Society of Natural History,	4.00
Bradlee Whidden,	20.00
William Briggs,	3.14
Z. N. Briggs,	2.50
John W. Cadby,	23.50
T. H. Castor & Co.,	27.51
Century Company,	19.00
J. B. Cilley,	1.00
A. S. Clark,	2.80
Henry T. Coates & Co.,	36.20
Damrell & Upham,	4.93
Egypt Exploration Fund,	5.00
Essex Institute,	6.00
W. A. Greenough & Co.,	8.50
H. H. Hart,	1.25
Helman Taylor Co.,	5.00
Historical Society of Pennsylvania,	3.00
Johns Hopkins Press,	11.92
W. S. Houghton,	3.50
H. S. Hutchinson & Co.,	1,208.65
H. S. Inman,	11.75
Jordan, Marsh & Co.,	27.49
Judge Publishing Co.,	2.00
M. M. Karavgavonirian,	1.50
George F. King,	3.50
Charles E. Lauriat Co.,	15.85
Little, Brown & Co.,	27.53
Mann & Hastings,	4.94

S. F. McLean & Co.,	\$14.00	
R. C. Miller,	3.00	
S. E. Miller,	9.50	
Myron A. Munson,	6.00	
New England Publishing Co.,	1.50	
Publishers Weekly,	13.50	
Sidney S. Rider,	22.00	
Edward Roth,	5.00	
Charles G. Russell,	1.88	
Sampson, Murdock & Co.,	15.50	
H. H. Sampson,	1.65	
C. R. Sherman,	1.50	
G. E. Stechert,	176.27	
R. W. Taber,	1,275.81	
Joseph Thornton & Son,	70.07	
H. C. Vaughan,	3.00	
W. H. Walker,	1.30	
H. P. Willis,	9.00	\$3,752.83
December 5, 1898. To balance,		158.60
		\$3,911.43

CR.

December 6, 1897. By balance,	\$911.43	
Income from fund,	3,000.00	\$3,911.43

CR.

December 5, 1898. By balance,	\$158.60

FREE PUBLIC LIBRARY TRUSTEES—CHARLES W. MORGAN FUND.

DR.

N. J. Bartlett & Co.,	\$19.93	
Geo. E. Littlefield,	67.84	\$87.77
December 5, 1898. To balance,		57.84
		<u>\$145.61</u>

CR.

December 6, 1897. By balance,	\$85.61	
Income from fund,	60.00	\$145.61

CR.

December 5, 1898. By balance,	\$57.84
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FREE PUBLIC LIBRARY TRUSTEES—CHARLES L. WOOD FUND.

DR.

Geo. E. Littlefield,	\$137.90	\$137.90
December 5, 1898. To balance,		10.15
		<u>\$148.05</u>

CR.

December 6, 1897. By balance,	\$68.05	
Income from fund,	80.00	\$148.05

CR.

December 5, 1898. By balance,	\$10.15
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FREE PUBLIC LIBRARY TRUSTEES—READING ROOM FUND.

DR.

B. A. Andress,	\$76.00	
E. Anthony & Sons,	12.00	
Wm. F. Bannon,	56.50	
Geo. L. Briggs,	69.62	
W. H. Collins & Co.,	6.00	
C. L. Dunham,	143.89	
B. H. Humphries,	56.50	
H. S. Hutchinson & Co.,	20.00	
Mercury Publishing Co.,	12.00	
N. B. Gas & Edison Light Co.,	142.40	
Geo. D. Richards,	2.05	
R. W. Taber,	15.35	
Francis Thorley,	20.41	\$632.72
December 5, 1898. To balance,		1,373.15
		\$2,005.87

CR.

December 5, 1898. By balance,		\$2,005.87
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CR.

December 5, 1898. By balance,		\$1,373.15
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HIGHWAYS AND STREETS.

	DR.	
Pay rolls,		\$124,414.03
Teaming:—		
Abbott, Downing & Co.,	\$206.50	
Seth Alden,	209.88	
A. W. Allen,	7.35	
Dr. D. C. Ashley,	111.50	
Wm. Baylies,	931.31	
Blossom Bros.,	93.31	
Brownell, Ashley & Co.,	274.98	
T. S. Corson,	33.53	
Wm. Cronin & Co.,	176.77	
C. F. Cushing,	16.50	
Dr. A. C. Daniels,	16.00	
Dudley Davenport,	102.53	
Denison-Plummer Co.,	1,618.00	
DeWolf & Vincent,	1.50	
Dr. H. H. Dews,	5.00	
David Duff & Son,	322.72	
Thomas Duffy,	10.50	
Fichtenmayer & Flynn,	.20	
John W. Footman,	.75	
C. H. Forbes,	9.25	
J. N. Gage,	95.53	
C. F. Grow,	56.85	
Grow & Hart,	24.05	
Andrew E. Hathaway,	340.83	
L. J. Hathaway,	39.18	
George G. Huddy,	135.56	
James A. Jay,	402.59	
Jenney Hardware Co.,	9.60	
P. P. Jenney & Son,	133.11	
Kirby & Hicks,	82.14	
J. Frank Kirk,	845.35	
I. H. Peckham,	4.69	
A. W. Perkins & Co.,	1.50	
Frank B. Ricketson,	217.59	
J. H. Shay, Jr.,	82.00	
Smith & Goold,	12.30	
H. C. Stanbridge,	5.61	
Julius C. Sylvia,	1.80	
Viscol Co.,	10.00	6,648.36

Repairs of crushers, rollers and boilers :—

Babbitt, Wood & Co.,	\$272.15	
DeWolf & Vincent,	3.31	
Harrisburg Foundry & Machine Co.,	60.79	
Holmes, Blanchard & Co.,	1,674.00	
The O. S. Kelley Co.,	6.00	
N. B. Boiler & Machine Co.,	3.14	
N. B. Water Works,	23.44	
A. W. Perkins & Co.,	8.30	
Taylor Iron & Steel Co.,	1,415.63	
Frank S. Tripp,	556.01	\$4,022.77

Curbing, crosswalks and paving :—

Mary P. Ashley,	56.18	
John Connors,	33.94	
Patrick Connors,	26.61	
Walter Demoranville,	9.71	
Moses Denault,	4,460.35	
David Duval,	5.01	
John B. Francis,	15.15	
Frank Gurney,	11.08	
E. W. Hammond,	1.69	
John N. Hammond,	2.77	
John E. Handford,	18.50	
Patrick Harding,	1.22	
H. F. Jones,	4.63	
Frank Kopeski,	1.12	
S. S. Paine & Bro.,	2,825.50	
Reuben Peckham,	27.59	
A. W. Perkins & Co.,	8.18	
Arthur Poole,	7.59	
Robertson & Havey,	9,543.22	
George Schlais,	5.79	
Charles F. Spooner,	21.52	
John A. Spooner,	27.36	
John W. Spooner,	45.75	
F. A. Stowell,	52.55	
John B. Sullivan,	852.60	
M. L. Sylvia,	64.31	
Clarence E. Westgate,	38.18	
H. O. White,	37.23	18,205.33

Crusher stone :—

E. G. Akin,	27.84
A. H. Allen,	2.75
Henry C. Allen,	169.17

Charles M. Andrews,	\$184.89
G. B. Ashley,	116.57
Henry T. Ashley,	14.37
J. B. Ashley,	7.58
J. B. Ashley, Jr., agent,	18.28
L. P. Ashley,	3.22
M. C. Ashley,	55.09
Mary P. Ashley,	181.73
T. J. Ashley,	17.40
Asa Auger,	23.52
Barney & Sherman,	49.90
Arthur Basnette,	2.47
James Bassonett,	2.67
Albert Benjamin,	5.55
F. C. Bennett,	3.32
John Bertram,	5.71
Marcizo J. Bettincourt,	.72
Thomas Blecher,	7.65
Jeremiah Bonneau,	9.83
George B. Borden,	260.82
H. T. Borden,	15.84
L. F. Bouchard,	558.80
J. Bouchard,	32.25
F. W. Bowles,	6.51
Annie Braga,	102.92
William H. Brightman,	70.35
William P. Brightman,	133.29
Joseph Brook,	3.32
Joseph Brunette,	17.72
Henry F. Bulman,	2.69
James Burke,	11.72
Joseph Burnett,	2.24
Frank Cabral,	2.47
Zach. Chaffee,	5.36
Charles H. Chase,	5.70
Edward A. Chase,	17.25
R. E. Cobb,	9.81
George Coggeshall,	39.66
John Connell,	62.26
John Connors,	337.12
Patrick Connors,	107.01
E. H. Cook,	1.60
Edward Cooke,	19.75
Edgar Corey,	14.94
George G. Corey,	208.76

T. S. Corson,	\$4.11
Eugene G. Crapo,	7.74
Peter Crapo,	136.77
H. V. Davis,	8.93
James A. Davis,	78.12
L. T. Davis,	58.06
Wm. Davis,	3.75
Wm. H. Davis,	17.31
Jacinth DeCosta,	183.98
A. J. Delano,	22.88
J. W. Demoranville,	5.73
Walter F. Demoranville	106.33
Alfred Denault,	188.31
Moses Denault,	968.02
S. Desautels,	169.87
C. H. Drown,	362.09
James Duddy,	10.51
David Duff & Son,	152.67
David Duval,	66.02
John E. Dyer,	8.08
Wm. Eaton,	97.52
David Ferguson,	42.39
Frank G. Fernandes	56.62
Sufrane Forant,	190.09
Peter Fournier,	34.77
Albert Francis,	1.38
John B. Francis,	122.31
John Fredette,	123.52
Joseph Fredette,	8.25
Joseph Gadreau,	1.50
Albert Garant,	25.83
Joseph Garrion,	104.18
Dolor Gaudreau,	81.16
Philip Genensky,	1.52
W. J. Gibbs,	31.41
Charles E. Gifford,	17.29
C. S. M. Gifford,	7.00
C. T. W. Gifford,	111.81
Lewis L. Gifford,	6.79
L. R. Gifford,	33.70
C. A. Gray, Jr.,	12.75
Peter Gregoire,	296.90
Xavier Grenier,	93.40
David Grew,	24.02
John W. Grew,	8.08

Joseph H. Gurl,	\$24.03
Frank Gurney,	40.39
Frank J. Gurney,	83.67
George Hageloh,	93.82
E. W. Hammond,	167.84
J. N. Hammond,	19.22
John E. Handford,	103.71
Patrick Harding,	64.09
Charles S. Haskell,	123.86
C. E. Hathaway,	240.52
F. B. Hathaway,	175.76
Henry W. Hathaway,	139.43
Hathaway & Borden,	5.24
George W. Hawes,	17.31
Sylvanus C. Hawes,	13.25
E. F. Higby,	29.53
B. G. Howland,	84.67
Charles E. Howland,	2.02
D. J. Jarry,	157.39
Jenney & Buffington,	84.52
Herbert F. Jones,	180.31
John Jones,	41.58
L. E. Jones,	42.93
James T. Kane,	51.12
Thomas Kay,	18.95
C. L. Kenyon,	39.83
Robert B. King,	84.73
W. C. Kirby,	6.78
Frank Kopezski,	22.40
Wm. Lagasse,	14.53
Lavi Laroe,	17.89
L. Lashapelle,	16.15
C. T. Lawrence,	40.69
Andrew Lombard,	11.95
Antone Lopez,	20.62
Ulysses Lustre,	66.24
William H. Lynch,	36.61
Mortimer McCarty,	117.77
Timothy McCrohan,	1.29
John McCullough,	16.10
John McLeod,	217.97
Leonard Macomber,	21.64
William P. Macomber,	8.68
Annie G. Mahoney,	108.68
A. M. Manat,	16.51

John W. Manchester.	\$16.85
Frank Mastera.	152.35
Ernest Meny,	108.92
Fred Meny,	44.73
John Mellor,	2.34
James Mitchell,	32.23
Frank Monty,	76.41
Wm. A. T. Moore,	16.42
Gypsey Morris.	10.73
E. F. Morton,	28.15
Frank Morton,	126.36
H. Mosher,	66.19
Walter F. Mosher,	181.03
Henry Mossi,	46.08
Charles H. Negus,	164.55
Benjamin Negus,	13.70
P. O'Leary,	71.29
Charles Owen,	99.13
H. E. Palmer,	2.83
Benj. Peckham,	37.50
Reuben Peckham,	42.26
Joseph Peda,	34.81
Frank Pedro,	88.54
A. W. Perkins & Co.,	166.79
Anne Perry,	114.06
Antone E. Perry,	38.89
Frank Perry,	26.07
Henry F. Perry,	183.32
Manuel Perry,	23.98
C. B. Phillips,	7.27
Bradford H. Pittsley,	14.52
Louis W. Pittsley,	10.36
C. H. Place,	59.43
E. H. Place,	1.04
Anna Plata,	2.96
Isaac B. Poole,	10.12
Poor Department,	73.06
F. H. Poitras,	123.01
Calvin Raymond,	34.31
Barney Reagan,	51.50
A. W. Reams,	19.45
Edward Reynolds,	218.30
George F. Reynolds,	193.76
A. J. Robinson,	364.05
J. W. Robbins,	51.26

Abiatha Rogers,	\$549.86
George W. Rogers,	77.19
Joseph H. Rogers,	61.24
Adolph Rondeau,	301.90
Ernest Rondeau,	296.25
Prosper Rondeau,	213.34
Hubert Rosheleau,	84.28
Arthur Roy,	27.43
E. T. Russell,	24.54
John A. Russell,	23.74
A. K. P. Sawin,	11.62
Noel Sauville,	2.67
George Schlais,	56.46
Timothy Sheehan,	5.73
D. A. Sherman,	59.50
Sherman & Barney,	13.82
George F. Smith,	44.20
H. J. Smith,	7.22
John A. Smith,	30.14
Manuel Souza,	123.92
George Spencer,	43.83
Albert F. Spooner,	21.23
Charles F. Spooner,	84.06
Edwin S. Spooner,	312.91
Geo. H. Spooner & Bro.,	46.30
James L. Spooner,	18.45
John A. Spooner,	179.04
Joseph W. Spooner,	55.86
Alonzo P. Stone,	23.57
F. A. Stowell,	335.93
Albert Strong,	2.17
John B. Sullivan,	1,030.37
Jesse Sylvia,	88.72
Joseph F. Sylvia,	90.81
Manuel D. Sylvia,	27.39
Manuel J. Sylvia,	2.14
Manuel L. Sylvia,	8.01
Antone Thomas,	75.55
L. T. Thomas,	4.09
F. A. Tripp,	17.46
Union Street Railway Co.	115.64
W. O. T. Upham,	122.52
David Warren,	8.18
Clara A. Westgate,	32.35
Clarence E. Westgate,	232.09
Herbert N. Westgate,	165.17

Jonathan Westgate,	\$34.04	
A. T. White,	121.22	
H. O. White,	474.10	
Mrs. H. O. White,	44.34	
R. W. White,	49.65	
George F. Wilbur,	49.44	
S. S. Wilbur,	84.57	
Joseph Williams,	104.45	
William Woodhouse,	21.97	\$19,339.66

Miscellaneous :—

F. T. Akin & Co., paint supplies,	48.66
A. W. Allen, lumber and labor,	16.74
Geo. E. Allen, hardware,	8.50
Almy & Hitch, labor,	1.75
Ames Plow Co., tools,	9.65
E. Anthony & Sons, printing and advertising,	54.65
Isaac L. Ashley, horse and carriage hire,	302.00
Babbitt, Wood & Co., stock and labor,	93.29
Ballard & Kirschbaum, index,	2.00
Bates, Kirby & Co., ice,	37.12
J. B. Baylies, cushion,	.65
Peter Black, derrick repairs,	1.36
Blackbird Pen Co., pens,	5.75
Bliss & Nye, lamp,	2.00
Blossom Bros., lumber,	75.30
C. A. Braley, wood,	21.43
George L. Briggs, pens,	4.50
Briggs & Lawrence, shades,	2.15
Charles O. Brightman, stock and labor,	31.09
F. S. Brightman, binding and stationery,	44.55
T. S. Buck, rubber stamps,	2.57
Elihu Bunker, soap and salve,	2.53
J. M. Burgess, land rent,	24.00
J. W. Chase, building fence,	47.04
City Government Pub. Co., subscription,	3.00
Church & Hammond, chemicals and sponges,	7.20
C. W. Coggeshall, blocks,	10.75
W. H. Collins & Co., ruling and binding,	192.25
S. H. Cook & Co., boiler insurance,	50.00
William S. Cook, stamps,	25.00
Charles R. Cornell, hacking,	3.00
T. S. Corson, coal,	537.53
T. W. Croacher, lumber,	15.52
C. S. & B. Cummings, matches,	.80
George Delano's Sons, oil,	31.36

Walter F. Demoranville, derrick repairs,	\$1.25
Denison Bros. Co., coal,	120.41
Stanislaus Desautels, hacking,	6.50
DeWolf & Vincent, hardware and tools,	264.45
Driscoll, Church & Hall, meal, soap and borax,	49.50
David Duff & Son, coal,	1,026.91
David Duff & Son, dirt,	2,479.00
William T. Emery, mantles,	2.10
Engineering News Co., advertising,	3.80
Fairbanks Co., weighing books,	5.00
Fichtenmayer & Flynn, blacksmithing,	.40
Fiske Bros. Refining Co., oil,	86.28
Frank E. Fitts Mfg. & Supply Co., waste,	32.15
Frost & Adams Co., tape,	18.45
E. C. Gardiner, hacking,	3.00
General sewers, stock, labor and teaming,	276.58
J. H. Gerlach, book binders,	2.00
Harriet H. Gilman, rent,	708.16
Greene & Wood, lumber,	358.55
W. A. Greenough & Co., directories,	5.00
Joseph Grimshaw, dirt,	5.60
James B. Hamblin, lumber,	46.08
Jonathan Handy Co., iron and steel,	528.88
T. M. Hart & Co., twine,	4.92
Haskell & Tripp, soap and towels,	2.84
George E. Hatch, stock and labor,	27.53
Hatch & Co., express,	9.00
H. C. Hathaway, agent, horses,	825.00
F. B. Hathaway, labor,	1.39
N. P. Hayes, tools,	60.02
Heywood Bros. & Wakefield Co., reeds,	17.00
Hillman, Washburn & Co., tools,	31.75
Albert W. Holmes, coal,	144.35
Howard Watch Co., record dials,	6.00
Howland Mills, land rent,	75.00
Edward Hughes, setting glass,	1.75
Samuel C. Hunt, appraiser,	5.00
H. S. Hutchinson & Co., stationery,	1.25
P. P. Jenney & Son, tools and repairs,	239.10
C. L. Kenyon & Co., horses,	743.00
Kimball, Harrington & Osborn, lubricants,	348.43
Frank R. Kirby, flagging,	60.88
George Kirby, Jr. & Co., paint and oil,	80.43
C. F. Lawton, postage and mileage,	85.61
S. C. Lowe, tools and hardware,	284.81

T. R. Luce, commission,	\$59.71
Annie G. Mohoney, dirt,	25.55
John J. Meaney, stock and labor,	7.95
Mercury Publishing Company, printing and advertising,	221.03
T. J. Moriarty, glazing,	.35
John N. Morris, building fence,	689.22
E. F. Morton, supplies and services,	10.15
Municipal Engineering Co., subscription,	2.00
N. B. Boiler & Machine Co., stock and labor,	27.40
N. B. Cordage Co., rope,	55.24
N. B. Gas & Edison Light Co., lighting,	455.43
“ “ “ “ fitting and wiring,	4.31
N. B. Gas & Edison Light Co., tar,	958.50
N. B. Ice Co., ice,	26.14
N. B. Rubber Co., rubber,	11.44
N. B. Water Works, stock and labor,	251.97
N. Y., N. H. & H. R. R. Co., freight,	91.81
George H. Nye, photographs,	3.00
William F. Nye, oil,	3.00
John N. O'Brien, sealing,	6.28
Odd Fellows Building Association, rent,	362.96
F. William Oesting, appraising and witness fees,	40.00
S. S. Paine & Bro., pipe, cement and flagging,	1,219.86
C. S. Paisler, pipe, brick and cement,	18.35
I. H. Peckham, stock and labor,	49.37
E. H. Peirce, supplies,	297.25
E. F. Penney, water pot,	3.00
A. W. Perkins & Co., pitch and sand,	213.62
S. F. Perry & Son, carriage hire,	5.25
A. D. Piper, washing towels,	6.60
C. B. Piper, cleaning,	22.00
Willard G. Poole, plane,	2.50
D. Poirier, dirt,	6.00
Dr. J. C. Pothier, services,	20.00
C. G. & G. A. Randall, lumber,	383.24
E. F. Reece Co., screw plates,	16.65
George D. Richards, tools and supplies,	66.40
Riehle Bros., tools,	116.75
John A. Russell, wood and sand,	55.04
P. J. Ryan, salt,	.24
Sanders & Barrows Clothing Co., overalls,	7.00
Charles R. Sherman, tape,	.55
C. R. Sherman & Son, labor and supplies,	7.30

Frank B. Sistare, stock and labor,	\$29.42	
F. R. Slocum, carpets,	102.13	
Wm. E. Smith, curtain cleaning,	2.50	
So. Mass. Telephone Co., service and tolls,	256.20	
Geo. H. Spooner & Bro., posts and slabs,	137.85	
Joseph W. Spooner, sand,	34.08	
Standard Oil Co., oil,	91.39	
J. C. Storey & Co., pitch,	286.68	
Dr. M. V. Sylvia, services,	87.00	
E. C. Taber, blacksmithing,	6.59	
R. W. Taber, stationery,	76.16	
E. & K. C. Terry, lumber,	43.28	
Thomas Terry estate, gravel,	5.80	
Thomas B. Tripp, court fees,	130.00	
George Turner, dirt,	34.32	
Waite, Williams & Co., oil,	13.00	
B. H. Waite & Co., hassock,	.75	
F. B. Washburn, stock and labor,	420.43	
S. B. Weaver, rope,	5.60	
Wm. R. West, paint and glass,	51.98	
C. E. Westgate, wood,	10.50	
Western Union Telegraph Co., service,	.75	
Wharf Department, storage,	585.00	
H. O. White, fence,	50.18	
Wilson & Wordell, tools,	8.00	
Wood, Brightman & Co., cans, stock and labor,	28.27	
C. E. Woodworth, repairs,	6.50	
Wyckoff, Seamans & Benedict, letter book,	7.50	\$19,143.07
		<u>\$191,773.22</u>

CR.

By appropriation,	\$132,000.00	
By special appropriation,	43,000.00	
Transfers from unappropriated funds,	10,435.60	
Receipts as per Treasurer's report,	3.00	
Transfer to balance,	6,334.62	\$191,773.22

LAND DAMAGES—LAYOUT OF BONNEY ST.,
SOUTH OF RIVET STREET.

DR.

Heirs of Resolved Howland,	\$300.00
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CR.

By transfer from unappropriated funds,	\$300.00
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LAND DAMAGES—LAYOUT OF HATHAWAY
STREET, ACUSHNET AVENUE TO BELLE-
VILLE AVENUE.

DR.

John and John B. Whitehead,	\$214.20
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CR.

By special appropriation,	\$214.20
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LAND DAMAGES—WIDENING OF KEMPTON
STREET, REED STREET TO ROCKDALE
AVENUE.

DR.

Heirs J. E. Hermann,	\$133.80	
John Hicks and Henry Potter,	58.80	
Wm. H. H. Leach,	58.80	\$251.40

CR.

By special appropriation,	\$251.40
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LAND DAMAGES—PALMER STREET.

DR.

John A. Russell,	\$679.50
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CR.

By special appropriation,	\$679.50
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LAND DAMAGES — WIDENING PURCHASE ST.,
KEMPTON STREET TO MILL STREET,
NO. 3.

DR.

Pay rolls,		\$120.51
J. B. Ashley, lessee,	\$675.00	
General sewers,	57.55	
Highways and Streets,	280.87	
S. C. Hunt,	25.00	
Seth Ingalls, et als.,	2,968.00	
Hannah B. Macomber,	3,955.00	
F. W. Oesting,	25.00	
Thomas S. Sayer,	3,800.00	11,786.42
December 5, 1898. By balance,		1,491.07
		\$13,398.00

CR.

By special appropriation,	\$13,398.00
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CR.

December 5, 1898. By balance,	\$1,491.07
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LAND DAMAGES — WIDENING OF PURCHASE
STREET, MILL STREET TO NORTH
STREET, NO. 4.

DR.

Pay rolls,		\$165.39
Harvey Bartlett,	7,227.00	
William A. Bassett,	2,956.00	
Heirs Benjamin Dexter, et ali,	6,325.00	
General Sewers,	51.33	
Highways and Streets,	451.11	
S. C. Hunt,	25.00	
F. W. Oesting,	25.00	
Henry G. Pomeroy,	2,505.00	19,565.44
December 5, 1898. By balance,		1,282.17
		\$21,013.00

CR.

By special appropriations,	\$21,013.00

CR.

December 5, 1898. By balance,	\$1,282.17

LAND DAMAGES—WIDENING OF PURCHASE
STREET, NORTH STREET TO MAXFIELD
STREET, NO. 5.

Dr.		
Pay rolls,		\$495.67
Frederick W. Andrews,	\$5,003.00	
Annie M. Ashley,	1,504.50	
J. B. Ashley,	3,958.00	
Ann M. Bowman,	1,000.00	
Oliver P. Brightman,	5,450.50	
John J. Cushing,	3,394.00	
George Gardiner,	1,438.00	
General Sewers,	72.75	
John C. Harrington,	5,200.00	
William S. Hersey,	2,026.00	
Highways and Streets,	728.25	
Lewis E. Milliken, et als,	3,209.25	
Heirs of Lydia P. Swift,	1,995.50	34,979.75
December 5, 1898. To balance,		2,703.33
		\$38,178.75

Cr.	
By transfer from unappropriated funds,	\$38,178.75

Cr.	
December 5, 1898. By balance,	\$2,703.33

LAND DAMAGES—LAYOUT OF THOMPSON
STREET.

Dr.	
John Jones,	\$200.00
Cr.	
By special appropriation,	\$200.00

LAND DAMAGES—WIDENING BROCK
AVENUE.

DR.

Thomas Donaghy, Jr.,	\$40.00
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CR.

By special appropriation,	\$40.00
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LAND DAMAGES—WIDENING ROCKDALE
AVENUE.

DR.

Thomas and William H. Bliss,	\$187.44	
Thomas B. Tripp,	370.80	
George Lewis,	352.80	
E. G. Akin,	100.00	\$1,011.04

CR.

By special appropriation,	\$1,011.04
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INCIDENTALS.

DR.

Birth and death returns :—

Louise Anthony,	\$1.25
Mrs. Arnold,	1.50
D. S. Belanger,	2.25
Robert G. Bennett,	24.50
Wm. E. Brownell,	5.00
J. G. Chagnon,	2.75
L. A. Chubbuck,	2.00
C. F. Connor,	5.00
Mary Cooper,	4.50
P. G. Davis,	1.00
A. Desautels,	17.75
Bridget Dugan,	.25
G. L. Duhaine,	3.75
H. L. Dwight,	1.25
Louisa S. Ellis,	.25
Mary Fliteroft,	3.25
Catherine Foley,	.25
J. E. Fortin,	9.00
J. A. Frasier,	1.75
Mary Frates,	6.50
Emilie Guba,	3.00
Sarah Hope,	5.75
Charles R. Hunt,	5.25
Esther M. Jameson,	11.25
J. B. Jean,	41.50
W. S. Jernegan,	.25
Maria A. Johnson,	.75
Jane A. Kidder,	.50
A. P. Lagasse,	12.00
D. B. Leonard, canvass,	375.00
M. H. Leonard,	37.50
C. F. Lussier,	36.25
Margaret A. Mann,	3.00
C. W. Milliken,	.75
Moriarty Brothers,	11.50
T. J. Murphy,	7.00
S. C. Newcomb,	2.00
W. J. Nickerson,	3.50
L. Z. Normandin,	75.25
C. A. B. Peterson,	8.75
A. M. Pierce,	12.29

C. A. Pratt,	\$6.25	
A. G. E. Richard,	13.50	
F. H. Robinson,	.50	
John Rogers,	19.25	
J. P. St. Germain,	5.50	
J. C. Shaw,	3.50	
W. C. Sheehy,	2.00	
E. T. Sherman,	8.75	
J. D. Sullivan,	43.25	
Abbie A. Tripp,	1.25	
Harriet Tripp,	.50	
J. V. Thuot,	30.25	
W. C. Vaughan, Jr.,	60.75	
A. P. Webber,	9.75	
Helen W. Webster,	10.50	
J. F. Weeks,	2.75	
Joseph S. Williams,	45.50	
E. T. Wilson,	21.25	\$1,031.79
Carriage hire :—		
Isaac L. Ashley,	\$234.50	
Charles R. Cornell,	15.00	
Kirby & Hicks,	446.39	
C. H. Murphy,	.75	
S. F. Perry & Co.,	113.75	
T. S. Swift,	10.00	
A. A. Sylvia,	16.50	836.89
Clerical help :—		
W. J. Abrams,	76.00	
George H. Allen,	38.75	
George F. Allen,	20.00	
Edward T. Bannon,	24.00	
G. B. Borden,	24.00	
George R. Deane,	21.25	
George H. Ely,	3.25	
George England,	25.50	
J. H. Finnell,	74.50	
George H. Freeman,	49.25	
Charles H. Fuller,	25.00	
Neil Gallagher,	24.00	
H. A. Gifford, Jr.,	25.00	
B. F. Hathaway, Jr.,	21.25	
C. R. Hathaway,	24.00	
Willis L. Hathaway,	934.50	
A. P. Lagasse,	21.00	

J. E. Landers,	\$ 27.50	
D. B. Leonard,	21.00	
F. A. Murphy,	780.00	
Walter R. Myrick,	24.00	
George W. Parker,	486.00	
F. T. Ricketson,	624.00	
H. C. Russell,	31.00	
E. T. Sherman,	78.50	
Ruth S. Sherman,	936.00	
A. C. Spooner,	842.50	
L. W. Stedman,	111.00	
E. B. Swift,	67.50	
E. S. Swift,	130.00	
E. C. Taber,	30.00	
E. L. Tillinghast,	928.75	
W. B. Topham,	38.75	\$6,587.75

Damages and legal expenses :—

Benjamin B. Barney,	172.80	
A. Edwin Clarke,	50.00	
Thomas F. Desmond,	5,250.50	
Exiline R. Gravel,	50.00	
L. LeB. Holmes,	72.20	
John J. Howland,	693.94	
John Mellor,	200.00	
Wm. F. Potter,	14.00	
Clifford P. Sherman,	20.00	
Robert A. Terry,	45.00	
Allen C. Weld,	300.00	6,868.44

Elections :—

W. H. Collins & Co., binding,	1.25	
Commonwealth of Mass., ballot box,	50.00	
Faunce & Johnson, fitting booths,	29.95	
Patrick Ferguson, care of ward room,	5.00	
E. C. Gardiner, carriage hire,	6.00	
Clarence P. Jenney, store rent,	25.00	
Joseph W. Jones, store rent,	15.00	
Kirby & Hicks, carriage hire,	6.00	
Hiram W. Look, voting lists,	6.00	
Mercury Pub. Co., printing,	45.50	
A. P. Pope, stock and labor,	135.17	
Precinct officers' pay,	582.00	
E. G. Reynolds, carriage hire,	3.00	
E. T. Sherman, services,	24.00	
T. S. Swift, carriage hire,	3.00	936.87

Fourth of July:—

A. R. Caswell, carriages,	\$20.00	
J. Henry Peirce, “	10.00	
Joseph F. Perry, “	10.00	
Lloyd Barker, bell ringing,	3.00	
O. S. Driskell, “ “	3.00	
James H. Taber, “ “	3.00	
John Watson, “ “	3.00	
Gray & Sullivan, music,	138.00	
Hill's N. B. Band, music,	138.00	
Reiter's National Band, music,	69.00	
Union National Band, music,	90.00	
Briggs & Lawrence, chairs,	1.25	
T. W. Croacher, lumber and carting,	1.50	
C. A. Galligan, chairs and carting,	5.00	
H. S. Hutchinson & Co., flags and sundries,	3.80	
C. E. Thompson, carting,	1.00	\$499.55

Fuel and light:—

T. S. Corson,	214.84	
David Duff & Son,	490.93	
N. B. Gas & Edison Light Co.,	2,904.77	
John N. O'Brien,	5.00	3,615.54

Interest on loans, taxes and awards:—

City Treasurer,	1,147.50	
Collector of taxes,	301.43	
John C. Harrington,	20.80	
F. S. Mosely & Co.,	12,125.00	
Rogers, Newman & Tolman,	1,278.67	
Lydia P. Swift estate,	10.31	14,883.71

Janitors and watchmen:—

P. H. Dollard,	780.00	
Stephen Hafford, Jr.,	435. 50	
C. B. Piper,	170.50	
D. M. Piper,	681.00	
J. Arthur Piper,	21.00	
James H. Sullivan,	192.00	2,280.00

Sealer weights and measures:—

P. F. Burke, weights and tools,	18.30	
M. E. Daley, stock and labor,	18.70	
C. L. Dunham, rack stock and labor,	23.97	
John N. O'Brien, freight and carting,	15.28	
Priest, Page & Co., weights and measures,	448.92	
James Ryan, steel stamp,	7.00	
Herman Strator & Sons, measures,	26.00	558.17

Miscellaneous :—

F. T. Akin & Co., dredging,	\$75.00
Asa L. H. Allen, picture framing,	24.70
Almy & Hitch, canvas and repairs,	5.50
James T. Almy, badge,	1.00
C. Anderly estate, license fee rebate,	145.00
E. Anthony & Sons, advertising,	561.72
“ “ “ “ subscriptions,	48.00
C. S. Ashley, mayor, committee expenses,	150.00
C. S. Ashley, mayor, expense bridge committee to Washington,	200.00
C. S. Ashley, mayor, expenses harbor defence committee,	25.00
C. S. Ashley, mayor, expense of committee to League meeting, Detroit,	333 34
C. S. Ashley, mayor, expenses bridge committee to Boston,	150.00
C. S. Ashley, mayor, extra clerical help,	66.00
“ “ “ entertainment of visitors,	77.65
“ “ “ paid for pictures,	6.00
Merton B. Ashley, charcoal,	10.00
Wm. A. Baker, committing truants,	13.28
Geo. P. Bailey, soap,	1.75
Ballard & Kirschbaum, telephone indexes,	3.00
Jason L. Ballou, reviewing stand,	31.62
J. V. Bancroft, sprinkling streets,	60.00
L. Bartel, police duty,	4.00
Bates, Kirby & Co., rent office, “Labor Registrar,”	180.00
Blanchard & Co., Mass. year books,	3.00
Board of Assessors, making tax bills,	75.00
Boston Advertiser, advertising bond sale,	137.50
Briggs & Lawrence, carpets and repairs,	106.20
Wm. P. Briggs, electrical work,	4.35
F. S. Brightman, registrars' books,	17.00
Z. M. Briggs, postal guide,	2.50
Bristol County, board of truants,	1,028.01
Albion T. Brownell, entertainment of legislative committee,	75.50
S. A. Brownell, expenses sewerage committee,	74.05
“ “ “ mileage grade crossing committee,	20.00
Wm. E. Brownell, vaccinations,	252.50
T. S. Buck, rubber stamps,	2.12
John A. Canny estate, rebate license fee,	421.10

Catholic Union Publishing Co., advertising,	\$332.75
Charles M. Carroll, subscriptions,	12.00
Emma A. Caswell, services,	44.25
W. H. Caswell, stock and labor,	2.75
Chadwick & Co., matches,	3.40
E. T. Chapman, supplies,	3.50
City Government Pub. Co., subscription,	2.75
City Treasurer, committee expenses,	195.37
" " stamps and express,	58.40
" " mileage, stationery, car tickets and office expenses,	502.54
City Treasurer, care cemetery lots,	1,340.83
Coggeshall, Maxfield & Co., tin boxes,	16.00
Commissioners of Sinking Funds, expenses,	7.85
" " " " rent of vault,	58.05
Charles F. Cragan, rent of boat,	52.00
T. W. Croacher, lumber and carting,	12.12
C. S. & B. Cummings, supplies,	6.42
C. F. Cushing, case and straps,	9.25
Daily Independent, advertising,	3.00
DeWolf & Vincent, hammer,	.25
E. W. Dehn, vaccinations,	99.50
James J. Donaghy, services as engineer,	250.00
F. M. Douglass, toilet supplies,	9.35
A. B. Drake, expert services,	250.00
Earnest & McCook Co., changer,	12.00
George A. Eggers, sharpening tools,	2.20
Fidelity Deposit Co., of Maryland, treasurer's bond,	250.00
R. B. Gifford, expert service, poor depart- ment accounts,	200.00
Harriet H. Gilman, rent office building in- specter,	122.77
Greene & Wood, stock and labor,	6.54
W. A. Greenough & Co., directories,	22.50
T. M. Hart & Co., flag and repairs,	26.05
Geo. E. Hatch, repairing trap,	.75
Hatch & Co., express,	42.65
L. J. Hathaway, labor on safe door,	.60
W. L. Hathaway, travelling expenses,	24.27
Highways and Streets, trimming trees,	822.48
Hardy Hitch, Jr., awning repairs,	1.50
Samuel Hobbs & Co., check books,	42.00
D. A. Huebsch & Co., year books,	1.23
H. S. Hutchinson & Co., subscription,	1.25

India Alkali Works, disinfectant,	\$7.74
Henry P. Jenney, alderman, committee ex- penses,	33.57
Jenney Hardware Co., mower repairs,	3.29
W. L. Kelley, clocks and repairs,	41.50
D. Kempton, 2nd, estate, rent,	75.00
E. V. Kendall, typewriting,	7.10
Kirby & Hicks, horse board,	25.71
C. F. Lawton, City Forester,	100.00
League of American Municipalities, member- ship fee,	40.00
L'Echo du Soir Pub. Co., advertising,	169.40
Daniel B. Leonard, office expenses,	113.45
George F. Lewis, vaccinations,	33.00
W. M. Magoon, examination of horse,	2.00
Merchants National Bank, rent office license commission,	284.04
Mercury Pub. Co., souvenirs,	12.50
“ “ “ advertising,	387.10
“ “ “ postals and printing,	9.55
“ “ “ subscriptions,	24.00
Moore & Dick, towels,	3.40
Morgan, Crossman & Co., stamps and repairs,	20.35
Moynan & Co., towels,	15.28
Joseph Murphy, carting,	1.50
Musical Exchange Band, escort duty,	92.00
National Bank Commonwealth, commission,	15.00
N. B. Band, escort duty,	40.00
N. B. Bulletin Co., advertising,	276.38
N. B. Cordage Co., rope,	.60
N. B. Foundry & Machine Co., stock and labor,	46.59
N. B. Gas & Edison Light Co., labor and supplies,	18.85
N. B. Ice Co., ice,	97.81
N. B. Safe Deposit & Trust Co., vault rent,	50.00
N. B. Towboat Co., services,	35.00
N. Y., N. H., & H. R. R. Co., mileage books,	40.00
“ “ “ rent sewer privilege,	200.00
North Congregational Church, use of bell,	60.00
Odd Fellows Building Association, rent,	60.00
John N. O'Brien, travelling expenses,	5.20
“ “ teaming,	267.00
Edmund O'Keefe, traveling expenses,	27.73
Warren W. Parker, iron boxes,	26.50

William Peirce, use of plants,	\$10.00
E. F. Penney, hose bands,	1.08
C. A. B. Peterson, vaccinations,	70.00
Henry T. Phillips, services,	15.00
A. D. Piper, care Mayor's office,	58.50
" " washing towels,	46.21
D. M. Piper, messenger common council,	31.00
" " services City Hall,	22.50
J. Arthur Piper, delivering invitations,	1.00
Postal Telegraph Cable Co., services,	3.42
C. S. Randall, services and expenses,	40.00
Geo. D. Richards, office and janitors' supplies,	36.06
Sewer taxes,	244.19
C. R. Sherman & Sons, sundries,	10.73
Simpson, Murdock & Co., directories,	8.50
Henry W. Skiff, use of boat,	16.00
James Slater, decorating,	75.00
F. R. Slocum, furniture and repairs,	190.75
Abbott P. Smith, councilman, committee expenses,	10.00
Henry Smith, committing truants,	6.47
So. Mass. Telephone Co., service	737.16
" " " tolls,	31.20
D. J. Sullivan, clock,	9.00
Sulpho Naphthol Co., disinfectant,	12.50
M. V. Sylvia, alderman, committee expenses,	48.30
Shoreham Hotel, entertainment of committee,	122.55
Robert W. Taber, books and office supplies,	51.51
Taylor & Sawtelle, janitor supplies,	6.55
Union Street Railway Co., tickets building inspector,	50.00
Wamsutta Club, entertainment sewer commission,	21.23
E. G. Watson, labor on safe,	15.00
Mark Watson estate, rebate license fee,	714.14
Henry F. West, services to harbor master,	15.00
Western Union Telegraph Co., service,	86.09
J. R. Whipple & Co., entertainment sewer committee,	54.95
E. B. Whiting, towels,	1.50
Wilcox & Richmond Wharf Co., rent,	100.00
W. F. Williams, expenses to Washington,	39.50
Charles F. Wing, chair,	25.00

Yale & Towne Mfg. Co., cleaning lock,	\$15.00	\$15,063.24
		\$53,161.95
To transfer "equipment and provisioning troops,"		2,042.76
" " "band concerts,"		500.00
		\$55,704.71

CR.

By appropriation,	\$48,000.00	
By transfers from unappropriated funds,	2,439.14	
Cash receipts as per Treasurer's report,	1,869.33	52,308.47
Transfer to balance,		3,396.24
		\$55,704.71

INCIDENTALS—BAND CONCERTS.

Dr.

C. A. Galligan, chairs and carting,	\$25.00	
Hill's New Bedford Band,	100.00	
Musical Exchange Band,	100.00	
A. P. Pope, stock and labor,	6.10	
Reiter's National Band,	100.00	
Union National Band,	150.00	481.10
To transfer to balance,		18.90
		\$500.00

CR.

By transfer from "Incidental account."	\$500.00

INCIDENTALS—EQUIPMENT AND PROVISION- ING TROOPS.

DR.

Ashley & Peirce Clothing Co., clothing and socks,	\$27.00	
Buchell Shoe House, boots and shoes,	106.25	
Thomas Donaghy, boots and shoes,	55.00	
City Treasurer, disbursements,	1,846.51	2,034.76
To transfer to balance,		8.00
		\$2,042.76

CR.

By transfer from "Incidental" account,	\$2,042.76
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INCIDENTALS—MEMORIAL DAY, G. A. R.

DR.

E. Anthony & Sons,	\$64.64
Amos Caswell,	20.00
H. B. Churbuck,	.90
T. W. Cook,	3.37
Cumberland Association,	7.00
E. C. Gardiner,	55.00
Thomas J. Gifford & Co.,	30.00
John A. Gomley,	10.00
Hill's New Bedford Band,	125.00
Ellis L. Howland, agent,	20.00
Mercury Publishing Co.,	35.11
Musical Exchange Band,	50.00
N. B. Foundry & Machine Co.,	6.12
F. H. Peckham,	10.00
Alexander O. Peirce,	41.72
J. Henry Peirce,	20.00

Wm. Peirce,	1.89	
Joseph F. Perry,	10.00	
Reiter's National Band,	60.00	
E. G. Reynolds,	3.00	
Wm. D. Richards,	2.00	
Soule Decorating Co.,	25.00	
Robert H. Spicer,	27.00	
Union National Band,	60.00	
Union Street Railway Co.,	25.00	
Edward E. Wright,	37.25	\$750.00

CR.

By special appropriation,	\$750.00
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SEMI-CENTENNIAL CELEBRATION.

DR.

Correio Portuguez, advertising,	\$8.50	
M. E. Costa, services,	5.00	
E. M. Peirce, use of horse,	5.00	
John Rogers, services,	5.00	
Charles G. Taber, services,	5.00	\$28.50
Transfer to balance,		3.23
		<u>\$31.73</u>

CR.

December 6, 1897. By balance,	\$31.73
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TEXTILE SCHOOL.

DR.

Isaac B. Tompkins, Jr., treasurer,	\$25,000.00
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CR.

December 6, 1897. By balance,	\$25,000.00
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PINGREE SYSTEM FOR THE BENEFIT OF THE POOR AND UNEMPLOYED.

DR.

W. F. Chase, superintendent,		\$500.00
Advertising :—		
E. Anthony & Sons,	\$4.10	
Mercury Publishing Co.,	3.01	
L'Echo du Soir Publishing Co.,	3.50	10.61
Ploughing :—		
I. H. Manchester,	21.00	
A. W. Perkins & Co.,	78.25	99.25
Seed :—		
C. H. & H. A. Lawton Co.,	47.22	
John Notter,	27.60	
F. H. Pasell,	5.53	
Wilson & Wordell,	87.40	167.75
Fertilizer :—		
John Notter,	29.39	
Wilson & Wordell,	92 50	121.89
Sundries :—		
C. H. & H. A. Lawton Co., paris green,	1.00	
Wilson & Wordell, paris green,	5.25	
R. W. Taber, memorandum books,	2.80	9.05
Transfer to balance,		91.45
		\$1,000.00

CR.

By transfer from unappropriated funds,	\$1,000.00

LICENSE COMMISSION.

DR.

E. Anthony & Sons, advertising,	\$120.57	
Standish Bourne, safe,	61.50	
F. S. Brightman, record book,	9.00	
Catholic Union Publishing Co., advertising,	15.00	
W. H. Collins & Co., ruling and binding,	12.00	
F. B. Greene, agent, rent,	109.12	
John J. Howland, office expenses,	115.13	
Kirby & Hicks, carriage hire,	16.50	
I. B. Maxfield, clerk,	312.00	
Mercury Publishing Co., advertising,	91.09	
Mercury Publishing Co., printing,	69.34	
S. F. Perry, carriage hire,	26.50	
George D. Richards, supplies,	2.90	\$960.65
Transfer to balance,		39.35
		\$1,000.00

CR.

By appropriation,		\$1,000.00
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LIGHTING THE STREETS.

DR.

Acushnet Iron Co., lamp posts,	\$240.00	
Globe Gas Light Co., posts, frames and screws,	50.00	
“ “ “ “ naphtha lights,	12,211.35	
F. A. Kempton estate, ground rent,	7.29	
N. B. Gas & Edison Light Co., arc lights,	23,161.48	
“ “ “ “ “ incandes't lights,	1,546.32	
“ “ “ “ “ gas lights,	11,595.50	
“ “ “ “ “ labor and material,	377.23	
T. S. Swift, carriage hire,	10.00	\$49,199.17
Transfer to balance,		800.83
		\$50,000.00

CR.

By appropriation,	\$40,000.00	
By special appropriation,	10,000.00	\$50,000.00

COGGESHALL STREET BRIDGE.

Dr.		
Pay rolls,		\$59.55
Greene & Wood, lumber,	\$.40	
Highways and Streets, stock and labor,	83.68	
C. G. & G. A. Randall, lumber,	11.89	95.97
		\$155.52
Transfer to balance,		244.48
		\$400.00
Cr.		
By appropriation,		\$400.00

NEW BEDFORD AND FAIRHAVEN BRIDGE.

Dr.		
Pay rolls,		\$1,145.19
Lot B. Bates, salt,	\$2.00	
Abram Chace & Co., stock and labor,	564.36	
DeWolf & Vincent, tools,	10.85	
James C. Driggs, blacksmithing,	1.81	
David Duff & Son, coal,	10.90	
Greene & Wood, lumber and carting,	27.27	
Highways and Streets, stock, labor and teaming,	162.99	780.18
		\$1,925.37
Transfer to balance,		174.63
		\$2,100.00
Cr.		
By appropriation,	\$800.00	
By special appropriation,	800.00	
By transfer from unappropriated funds,	500.00	\$2,100.00

NEW BEDFORD SCHOOL COMMITTEE.

"HOWLAND FUND."

DR.

The American Book Co.,	\$462.10
E. Anthony & Sons,	5.12
Boston School Supply Co.,	3.60
Edw. E. Babb & Co.,	26.59
Town of Brookline,	20.00
Briggs & Lawrence,	5.60
The Century Co.,	12.50
T. H. Castor & Co.,	5.99
W. B. Clarke & Co.,	4.00
Thos. Y. Crowell & Co.,	.50
E. N. Crowell,	5.00
Williston H. Collins & Co.,	28.10
Warren F. Draper,	1.09
Oliver Ditson Co.,	16.30
N. B. Diman,	2.16
M. E. Donovan,	.60
Educational Publishing Co.,	85.04
Ginn & Company,	527.52
Chas. E. Graff,	1.20
J. L. Hammett & Co.,	171.70
Houghton, Mifflin & Co.,	145.01
Harper & Bros.,	12.00
D. C. Heath & Co.,	71.90
Romeyn B. Hough,	5.00
H. S. Hutchinson & Co.,	53.11
Louis Hicks,	9.50
Home Science Publishing Co.,	3.92
John C. Haynes & Co.,	10.80
Hillman, Washburn & Co.,	.50
Wm. E. Hatch,	3.36
Holden Patent Book Cover Co.,	283.05
N. P. Hayes,	47.40
Haskell & Tripp,	45.33
H. S. Innman,	74.80
Winthrop B. Jones,	26.50
Leach, Shewell & Sanborn,	4.47
Lee & Shepard,	16.54
Perry Mason & Co.,	88.71

Samuel Miller,	\$7.50	
Mass. Soc. for Prevention of Cruelty to Animals,	.50	
The Morse Co.,	46.20	
N. E. Publishing Co.,	2.90	
The Prang Educational Co.,	.46	
George Pierce,	442.95	
E. M. Perry,	.31	
Geo. S. Perry & Co.,	282.52	
The Peabody Union,	6.00	
George D. Richards,	2.94	
Silver, Burdett & Co.,	74.93	
Chas. Scribners & Sons,	35.36	
Chas. W. Sever & Co.,	2.10	
J. V. Spare,	1.00	
R. A. Sherman,	1.00	
Robert W. Taber,	36.25	
A. T. Thompson,	37.60	
University Publishing Co.,	14.20	
Werner Publishing Co.,	20.68	
Wm. Ware & Co.,	14.70	
John Wiley & Sons,	2.58	
Walworth & Co.,	1.12	
S. P. Winegar,	36.00	\$3,356.41
December 5, 1898. To balance,		49.63
		\$3,406.04

Cr.

December 6, 1897. By balance,	\$406.04	
Cash receipts as per Treasurer's report,	3,000.00	\$3,406.04

Cr.

December 5, 1898. By balance,		\$49.63

NEW BEDFORD SCHOOL COMMITTEE.
 “JONATHAN BOURNE PRIZE FUND.”

	DR.	
William E. Hatch,		\$60.00
	CR.	
Income of fund,		\$60.00

NEW BEDFORD WATER WORKS.

	DR.	
To expenditures as per draft of the New Bedford		
Water Board,	\$123,163.23	
December 5, 1898. To balance,	35,840.11	\$159,003.34
	CR.	
December 6, 1897. By balance,	\$39,512.84	
By appropriation,	12,000.00	
Cash receipts as per Treasurer's report,	107,490.50	\$159,003.34
	CR.	
December 5, 1898. By balance,		\$35,840.11

NEW BEDFORD WATER WORKS—FURTHER WATER SUPPLY.

DR.

To expenditures as per drafts of the New Bedford		
Water Board,	\$215,124.97	
December 5, 1898. To balance,	109,533.06	\$324,658.03

CR.

December 6, 1897.	\$323,666.42	
Cash receipts as per Treasurer's report,	991.61	\$324,658.03

CR.

December 5, 1898. By balance,	\$109,533.06
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PARK COMMISSION.

DR.		
Pay rolls,		\$14,534.69
Edwin Allen, express,	\$.80	
Almy & Hitch, flag repairs,	3.50	
Francisco V. Andrade, milk,	27.84	
A. M. Bigelow, M. D. V., services,	4.00	
P. Black, stock and services,	27.67	
Bliss & Nye, chimneys,	1.00	
Blossom Bros., lumber and labor,	76.80	
Wm. S. Brown, plants and labor,	242.20	
Brownell & Co., paint and oil,	5.85	
C. H. Brownell & Sons, animal supplies,	421.27	
Elihu Bunker, chemicals,	.88	
W. Atlee Burpee & Co., plants,	4.85	
W. H. Collins & Co., binding,	5.00	
William S. Cook, deer,	25.00	
Thomas W. Croacher, lumber,	167.79	
Henry W. Cushman, sawdust,	1.40	
C. F. Cushing, chains and harness,	3.10	
Denison Brothers Co., coal,	74.00	
S. Desautels, carriage hire,	10.00	
DeWolf & Vincent, hardware and tools,	108.20	
Henry A. Dreer, tulips,	171.00	
David Duff & Son, coal and carting,	45.68	
General Sewers, stock, labor and teaming,	191.98	
Samuel Gratto, cages and repairs,	7.40	
T. M. Hart & Co., flag repairs,	2.25	
George E. Hatch, pipe and labor,	3.85	
Hatch & Co., express,	8.70	
A. B. Hathaway, plants,	27.96	
N. P. Hayes, ladders,	1.80	
Highways and streets, stock, labor, teaming,	2,068.07	
Hillman, Washburn & Co., hardware and tools,	49.10	
Albert W. Holmes, coal,	37.93	
Jenney Hardware Co., settees,	350.00	
Jenney Hardware Co., fitting tools,	6.38	
George Kirby, Jr. & Co., paint,	4.80	
John McCullough, lawn dressing,	35.20	
Charles F. Manchester, cabbage,	25.35	
F. B. Manchester, cabbage,	14.96	
Jacob W. Manning, plants,	2.20	
Mercury Publishing Co., printing,	13.80	
N. B. Boiler & Machine Co., iron and labor,	22.86	

N. B. Cordage Co., rope,	\$24.64	
N. B. Gas & Edison Light Co., lighting and repairs,	332.82	
N. B. Water Works, service,	7.86	
N. Y., N. H. & H. R. R. Co., freight,	4.16	
Richard E. Nofftz, plants,	2.50	
Geo. H. Nye, photo plates,	4.50	
S. S. Paine & Bro., cement,	30.62	
Charles S. Paisler, drain pipe,	95.83	
William Peirce, plants,	75.29	
N. D. Phinney, hats,	6.00	
Pittsburg Woven Wire Fence Co., fencing,	78.30	
C. G. & G. A. Randall, lumber,	40.61	
H. B. Remington, use of team,	84.60	
George D. Richards, tools and supplies,	7.66	
I. C. Sherman & Son, vegetables, fruit and nuts,	116.84	
James L. Sherman, lumber,	5.99	
Frank B. Sistare, stock and labor,	202.76	
Southern Mass. Telephone Co., tolls,	.35	
Alonzo P. Stone, mowing,	4.50	
Suffolk Engraving Co., printing,	21.86	
Martin H. Sullivan, lumber,	1.50	
Lloyd S. Swain, plant,	2.50	
E. B. Swift, sash,	22.50	
M. C. Swift & Son, uniforms,	22.00	
E. C. Taber, animal supplies,	242.73	
Taylor & Donaghy, stock and labor,	124.40	
E. & K. C. Terry, lumber,	2.14	
C. H. Waite, plants,	25.20	
Wm. R. West, paints,	4.25	
Western Union Telegraph Co., service,	.35	
Henry P. Willis, helmets,	11.70	
Wilson & Wordell, seed and vegetables,	18.00	
Wood, Brightman & Co., stock and labor,	90.63	
R. H. Woodhouse, plants,	50.00	
Edward E. Wright, flags,	18.00	\$6,086.01
		<u>\$20,620.70</u>

CR.

By appropriation,	\$12,800.00	
By special appropriation,	7,200.00	
Cash receipts as per Treasurer's report,	110.15	
Transfer to balance,	510.55	<u>\$20,620.70</u>

POLICE DEPARTMENT.

DR.

Salaries :—

Henay W. Mason, chief,	\$1,800.00	
Timothy C. Allen, captain,	1,250.00	
James L. Wilber, captain,	1,250.00	
George E. Gendron, inspector,	1,150.00	
Franklin L. Hathaway, inspector,	1,150.00	
Lemuel D. Adams, lieutenant,	1,150.00	
Seth E. Bryant, “	1,150.00	
Thomas W. Comstock, “	1,150.00	
Thomas Fay, “	1,150.00	
Arthur H. Jones, “	1,150.00	
Charles L. McBay, “	1,150.00	
John C. Parker, “	1,150.00	
Thomas J. Taft, “	1,150.00	
Joseph B. Wing, “	1,150.00	
Edmund Foley, sergeant,	1,074.84	
Charles C. Gifford, “	1,074.84	
William E. Roscoe, “	1,074.84	
Willis C. Underwood, sergeant,	1,074.84	\$21,249.36

Pay rolls :—

Patrolmen, housekeepers, etc.,	84,330.78	
Special police,	4,625.30	88,956.08

Light and fuel :—

T. S. Corson,	274.88	
Denison Brothers Co.,	.85	
David Duff & Son,	343.70	
N. B. Gas & Edison Light Co.,	961.63	
L. A. Washburn,	30.38	
Wallace B. Wilson,	1.40	1,612.84

Police signal system :—

Henry T. Allen, hay,	39.94	
Ame & Co., horse feed,	6.00	
Dr. D. C. Ashley, horse medicine,	2.25	
Wm. Baylies, grain,	78.87	
J. A. & W. Bird & Co., vitriol,	32.85	
James E. Blake, chemicals,	1.20	
Geo. S. Bowen & Co., painting,	13.63	
D. D. Briggs, chemicals and expenses,	3.95	
Brownell, Ashley & Co., blacksmithing and repairs,	208.00	

H. E. Chadwick, hitches,	\$24.00	
Wm. Cronin & Co., harness repairs,	1.25	
C. F. Cushing, repairs and supplies,	24.33	
DeWolf & Vincent, wringer,	2.50	
Dr. H. H. Dews, services,	4.00	
Edes Mfg. Co., zinc plates,	33.50	
Fichtenmayer & Flynn, shoeing and repairs,	42.05	
Fire Department, care telephone line,	910.00	
N. T. Fuller, blacksmithing,	38.00	
Hillman, Washburn & Co., hose and hardware,	9.75	
J. Frank Kirk, grain,	115.86	
C. H. & H. A. Lawton Co., mercury,	.90	
John J. Meaney, stock and labor,	197.63	
New England Gamewell Co., appliances,	140.24	
N. B. Gas & Edison Light Co., wiring and repairs,	4.65	
Pulsifer, Cook & Co., paper tape,	87.78	
R. T. Refuse, horse clipping,	6.00	
C. R. Sherman & Son, electric supplies.	23.65	
So. Mass. Telephone Co., chemicals,	8.99	
Washburn & Moen Mfg. Co., wire,	84.00	
William P. Wilson, hay,	84.16	\$2,229.93
Committing prisoners :—		
Lemuel D. Adams,	88.69	
Edgar W. Allen,	2.65	
Timothy C. Allen,	7.24	
James W. Arnett,	3.25	
Edward C. Earley,	10.10	
George E. Gendron,	16.30	
Charles C. Gifford,	4.20	
Franklin L. Hathaway,	34.30	
Patrick Kenney,	3.00	
Patrick McDonnell,	5.71	
Harry D. Stowe,	3.80	
Willis C. Underwood,	11.11	
James A. Wixon,	29.98	220.33
Miscellaneous :—		
F. T. Akin & Co., glazing,	1.10	
Charles E. Allen, painting,	26.83	
Almy & Hitch, awning,	4.50	
E. Anthony & Sons, advertising,	.38	
I. L. Ashley, carriage hire,	41.95	
Babbitt, Wood & Co., pipe,	.50	
J. V. Bancroft, sprinkling,	30.00	

Leopold Bartel, services,	\$30.00
Bates, Kirby & Co., ice,	14.80
Charles D. Beetle, stock and labor,	9.95
Bliss & Nye, supplies,	11.68
Blossom Brothers, screens,	7.50
Geo. S. Bowen & Co., painting,	11.15
Briggs & Lawrence, furniture repairs,	9.15
George L. Briggs, newspapers,	22.40
F. S. Brightman, stationery,	.60
Dr. M. J. Brown, services,	4.00
Dr. W. E. Brownell, services,	4.00
Brownell, Ashley & Co., repairs,	3.15
Albert T. Caldwell, stock and labor,	8.61
William H. Caswell, painting,	6.24
City Steam Laundry, laundry,	136.42
Coggeshall, Maxfield & Co., plumbing,	3.85
W. H. Collins & Co., ruling and binding,	11.25
Robert Cooke, horse hire,	3.00
C. F. Cushing, belts,	31.25
DeWolf & Vincent, hardware and mops,	138.28
Robert N. B. Doane, photos,	6.00
C. L. Dunham, plumbing repairs,	140.10
D. Evans & Co., buttons,	30.00
D. B. Folger, groceries,	76.35
J. W. Footman, awning frame,	3.84
Emma K. Gardner, meals for lockup,	153.50
Manuel F. George, services,	350.00
T. J. Gifford & Co., plumbing,	70.90
W. A. Greenough & Co., directories,	15.00
A. E. Hathaway, bill posting,	12.00
James G. Hellyer, repairs,	2.25
Highways and Streets, labor and carting,	15.13
Hillman, Washburn & Co., hardware,	32.45
George W. Hillman, ash cans,	10.00
James W. Hindle, painting,	4.36
Hardy Hitch, Jr., awning,	30.74
Wm. L. Kelley, clock repairs,	4.50
Frederick Kempton estate, rent,	25.00
C. H. & H. A. Lawton Co., drugs and medicines,	15.45
C. W. Learned & Co., disinfectant,	36.05
L'Echo du Soir, advertising,	.25
Dr. M. H. Leonard, services,	5.00
Lucas & Kent, storage and repairs,	83.61
Mrs. E. L. Macomber, services,	21.14
Henry W. Maine, carpet cleaning,	4.03

E. B. Macy, blacksmithing,	\$17.47
John L. G. Mason, repairs,	13.77
John J. Meaney, stock and labor,	72.94
Fred Mercedos, services,	2.50
Mercury Publishing Co., printing,	42.39
Morss & White, screen,	6.50
N. B. Boiler & Machine Co., stock and labor,	15.02
N. B. Cordage Co., cordage,	20.26
N. B. Gas & Edison Light Co., fixtures,	292.97
N. B. Gas & Edison Light Co., lamps and repairs,	24.47
N. B. Ice Co., ice,	9.60
N. B. Towboat Co., transportation,	5.00
Norfolk Mfg. Co., soap and powder,	8.36
P. H. Nye, anchor supplies,	8.82
Oak Hall Clothing Co., straps,	13.00
Dr. C. A. B. Peterson, services,	4.00
Thomas O. Phillips, services,	1.35
A. P. Pope, stock and labor,	48.34
Dr. W. G. Potter, services,	26.00
George D. Richards, bicycles,	400.00
George D. Richards, janitor supplies,	18.67
H. J. Russell, screens,	2.50
John H. Ryan, plumbing,	35.62
Schuler Brothers, brushes and blacking,	7.05
Henry W. Skiff, boat rent,	106.00
C. R. Sherman, stock and labor,	10.35
F. R. Slocum, furniture,	12.00
So. Mass. Telephone Co., service,	758.00
So. Mass. Telephone Co., tolls,	54.98
J. V. Spare, supplies,	3.30
D. R. Sullivan, whitewashing,	69.18
Martin H. Sullivan, repairs,	1.75
M. C. Swift & Son, clothing,	15.60
Dr. M. V. Sylvia, services,	5.00
R. W. Taber, stationery,	63.43
George Thomas, ice,	41.70
Tower & Lyon, clubs and clasps,	21.30
Charles H. Tripp, ice,	25.98
Dr. E. T. Tucker, services,	3.00
Viall & Cook, rent,	216.71
E. G. Watson, repairs and sundries,	13.15
Henry N. West, clerk,	780.00
West & Jones, tender and mooring,	71.00
James M. Whitaker, laundry,	94.40
James L. Wilber, keeper of lockup,	99.96

Henry P. Willis, express charges,	\$7.20	
Edward L. Wilson, cat boat,	450.00	
C. F. Wing, furniture and supplies,	112.54	
Wood, Brightman & Co., gas fitting,	45.40	
O. O. Woodward, carting,	1.00	
Emma Young, meals,	73.80	5,973.52
		\$120,242.06

CR.

By appropriation,	\$93,200.00	
By special appropriation,	23,477.00	
Transfer to balance,	3,565.06	\$120,242.06

POOR DEPARTMENT.

DR:

Almshouse :—

Almshouse help,	\$8,344.40
Acushnet Co-op. Association, supplies,	26.72
F. T. Akin & Co., paint, oil and glass,	59.39
E. Anthony & Sons, subscription,	6.00
Jesse Allen, harness,	44.00
Ashley & Pierce Clothing Co., clothing,	157.09
A. Davis Ashley, wagon exchange,	75.00
Dr. D. C. Ashley, services,	13.00
D. W. Baker, groceries,	2.41
William Baylies, flour and grain,	791.02
R. Beetle, flag poles,	14.25
James E. Blake, drugs and medicines,	35.62
Bliss & Nye, crockery and glass,	90.07
George B. Borden, ice,	5.00
Harry E. Borden, rubber goods,	7.50
H. T. Borden, bean poles,	11.00
Boston Beef Co., provision,	7.02
C. T. Bosworth & Co., medicines,	13.32
Geo. S. Bowen & Co., brooms,	11.35
Brett & Simpson, soap,	55.58
Briggs & Lawrence, furniture and repairs,	23.25
Brownell & Co., paint supplies,	22.50
Brownell, Ashley & Co., blacksmithing,	14.26
C. H. Brownell & Co., fruit,	7.25
E. C. Brownell & Co., provisions,	28.48
S. A. Brownell & Co., meat,	9.44
Buchell Shoe House, shoes,	87.94
Bullock & Waldron, medical supplies,	102.83
Centennial American Tea Co., tea and coffee,	45.69
T. W. Chace & Co., repairs,	7.82
Chadwick & Co., groceries,	25.56
E. E. Chadwick, meat and provisions,	835.61
E. T. Chapman, tobacco,	189.98
Thos. M. Chase, stock and labor,	56.40
Childs & Peckham, fish,	14.46
H. B. Churbuck, blacksmithing,	79.76
City Coal Co., coal,	.20
Coggeshall, Maxfield & Co., pails,	2.00
H. W. Cole & Co., groceries,	32.53
Robert Cooke, bread,	34.40

T. S. Corson, coal,	\$725.68
T. W. Croacher, lumber,	73.72
C. S. & B. Cummings, groceries,	54.10
C. F. Cushing, harness repairs and supplies,	68.05
Davis & Hatch, coffee and spices,	201.02
J. Davis & Co., shoes and rubbers,	37.70
J. G. Davoll, grain and grease,	30.05
Lafayette Dean, cattle hire,	15.00
Denison-Plummer Co., grain,	402.72
P. Devoll & Son, shoes,	12.04
DeWolf & Vincent, hardware and tools,	127.11
Thomas Donaghy, shoes,	141.45
F. M. Douglass, medicines,	8.50
Driscoll, Church & Hall, grocery supplies,	1,346.70
David Duff & Son, coal,	481.80
George A. Eggers, dynamite and fuses,	41.45
Charles E. Ellis, grocery supplies,	104.57
George E. Faisneau, dry goods and notions,	102.10
Fichtenmayer & Flynn, blacksmithing,	20.53
C. H. Flanders, potatoes,	7.00
C. H. Forbes, carriage repairs,	14.75
W. B. Gammage, threshing,	9.24
Greene & Wood, lumber,	28.31
Grow & Hart, harness repairs,	9.70
James B. Hamlin, lumber,	19.54
J. Handy Co., iron and brass,	15.98
T. M. Hart & Co., duck and cordage,	47.25
N. P. Hayes, tools,	13.37
Haskell & Tripp, dry goods,	28.80
Hillman, Washburn & Co., hardware,	24.25
George S. Homer, oil and lye,	16.20
James L. Humphrey, Jr., butter,	30.87
B. S. Jenkins, paint supplies,	8.30
Jenney Hardware Co., wringer,	14.00
P. P. Jenney & Son, wringer,	5.00
Wm. L. Kelley, spectacles and clock repairs,	10.85
Kern & Wright, alcohol,	3.00
Kirby & Hicks, hitching horse,	31.15
Knowles & Co., dry goods,	6.65
C. H. & H. A. Lawton Co., medicine and seed,	240.48
Joseph S. Lewis, Jr., steam fitting,	7.11
Clarence Lowell, carriage work,	5.45
J. L. Luce, blacksmithing,	3.75
J. R. Macy, groceries,	2.66
John McCullough, flour,	67.00
Mercury Publishing Co., subscription,	6.00

Moore & Dick, dry goods and notions,	\$316.05
National Biscuit Co., crackers,	19.84
George Nelson, whitewashing,	108.15
N. B. Cordage Co., rope,	3.84
N. B. Foundry & Machine Co., machine repairs,	6.01
N. B. Rubber Co., rubber goods,	15.00
N. Y. Biscuit Co., crackers,	14.48
John Notter, grain, seed and fertilizer,	212.88
James H. Nuttall, medicines,	97.14
John N. O'Brien, sealing scales,	2.71
Fred Padelford, steam fitting,	10.65
Charles S. Paisler, lime and cement,	40.83
Wm. A. Pease, disinfectant,	5.25
Peckham's Market, fish,	5.24
Edward F. Penney, plumbing and supplies,	247.18
G. & L. Poisson, dry goods and clothing,	29.98
H. G. Pomeroy, repairs,	1.50
Wm. F. Potter & Co., groceries,	446.10
Herbert C. Pratt, farm labor,	34.00
James Quinn & Co., tobacco,	225.28
George D. Richards, wooden and tin ware,	39.89
S. P. Richmond & Co., pastry and yeast,	19.06
Charles L. Ricketson, manure,	3.47
Sanders & Barrows Clothing Co., furnishings,	3.50
Etta Shaw, organist,	61.75
J. H. Shea, horse dentistry,	15.50
C. R. Sherman, keys,	.25
I. C. Sherman & Son, vegetables, fruit and seed,	69.00
F. R. Slocum, furniture,	7.20
So. Mass. Telephone Co., service,	47.00
F. L. Sowle & Co., hardware,	2.10
J. V. Spare, dry goods,	22.84
Geo. H. Spooner & Bro., ice,	52.68
H. W. Spooner, butter,	49.98
Sulpho Naphthol Co., disinfectant,	40.00
Robert W. Taber, stationery,	10.42
E. & K. C. Terry, lumber,	65.97
C. H. Tripp & Co., blacksmithing,	60.38
Union Boot & Shoe Co., boots and shoes,	33.57
Walter G. Viall, groceries,	14.62
B. H. Waite & Co., matting,	11.36
Henry K. Wampole & Co., drugs,	29.50
Watson Bros., fish,	24.43
Hiram Wheaton & Sons, liquors,	68.10
Rev. E. Williams, services,	174.00

Wilson & Wordell, farming tools and sup'l's,	\$134.30	
Charles F. Wing, furniture and bedding,	93.40	
J. & W. R. Wing, clothing and furnishings,	160.26	
T. G. Wing, Sunday papers,	5.00	
Wood, Brightman & Co., pump repairs,	19.27	\$19,241.96

Burials :—

R. G. Bennett,	\$23.00	
A. Desautels,	86.00	
J. B. Jean,	375.00	
A. P. Lagasse,	31.00	
Moriarty Brothers,	58.00	
T. J. Murphy,	50.00	
John Rogers,	190.75	
J. D. Sullivan,	130.00	
W. C. Vaughan, Jr.,	89.00	
Joseph S. Williams,	311.00	
E. T. Wilson & Son,	290.00	1,633.75

Cities and towns :—

Boston,	279.00	
Brockton,	3.64	
Cambridge,	4.59	
Chelsea,	201.50	
Dartmouth,	261.57	
Fairhaven,	49.57	
Fall River,	157.20	
Harwich,	32.00	
Lowell,	12.00	
Nantucket,	48.00	
Pittsfield,	29.27	
Raynham,	20.00	
Rochester,	54.00	
Taunton,	68.77	
Westfield,	71.81	
Woburn,	43.95	
Worcester,	18.31	1,355.18

OUTSIDE RELIEF.

Groceries :—

Acushnet Co-op. Association,	\$371.00
A. G. Alley, Jr.,	139.75
J. O. Amarantes,	32.00
Joseph Andre,	181.50
Harrison Andrews,	61.00
T. L. Andrews,	25.50
Anthony, Swift & Co.,	176.50
Joseph Antone,	109.00
William Armitage,	58.50
R. Arsenault,	83.50
J. B. Ashley, Jr.,	46.50
J. B. Ashley, Jr., agent,	5.50
J. Austin,	20.00
J. C. Austin,	29.50
D. W. Baker,	106.00
J. T. Baldwin,	844.00
Cassimir Ballegeou,	4.00
J. Barlow,	290.75
Barstow & Winslow,	24.00
J. W. Bates & Co.,	286.50
William Baylies,	676.00
Octave Benjamin,	5.50
Fred J. Bentley,	28.00
Paul Bessette,	1.00
Bolduc & Langlois,	15.00
A. N. Bolles,	24.00
Boston Beef Co.,	4,710.65
J. Byron Bradford,	98.00
J. W. Braley, Jr.,	111.00
David Bromley,	95.50
C. H. Brownell & Sons,	450.00
E. C. Brownell,	1.00
E. C. Brownell & Co.,	1.50
S. A. Brownell & Co.,	1,681.50
Thomas Burgess & Son,	186.50
Robert Burke,	9.00
William Burke,	75.75
A. M. Burns,	95.00
Central Union Association,	386.28
Wm. L. Chadwick,	22.00
Wm. H. Chappell,	45.00
C. W. Chase,	28.00
Joseph Chausse,	261.00

G. H. V. D. Cleveland,	\$16.00
Abram Cohen,	3.00
H. W. Cole & Co.,	241.00
John H. Cook,	168.50
S. M. Cote,	10.00
I. C. Couling,	48.00
A. H. Covell,	41.50
Coxen & Tripp,	72.00
Cretes & Robertson,	48.50
C. S. & B. Cummings,	77.70
Cushman Bros.,	99.00
Fred A. Dammon,	406.00
Chas. M. Davenport,	32.00
Dudley Davenport,	83.00
Davidson Brothers,	176.00
S. Desautels,	177.00
J. Desrochers,	12.00
J. D. Desrochers,	12.00
H. P. Dionne,	1.00
T. S. Downey,	10.00
Wm. M. Drew,	16.00
Drew & Robbins,	50.50
Driscoll, Church & Hall,	2,557.50
D. F. Driscoll,	3.00
Frank Duffy,	3.00
Manuel S. Dutra,	22.50
A. D. Duval,	12.00
Chas. E. Ellis,	24.00
Frank Enos,	16.00
Joseph Fernandes,	165.50
C. H. Flanders,	2.00
D. B. Folger,	636.50
S. C. France,	22.00
J. B. Francis,	127.50
Manuel A. Francis,	20.00
E. N. Frasier,	25.00
J. Garant,	20.50
Henry Gatis,	40.00
Gaudreau & Desrochers,	2.00
D. H. Gauthier,	469.00
A. Genensky,	2.00
R. Genensky,	26.00
Mrs. R. Genensky,	4.00
A. M. Gifford,	3.00
Gonneville & Son,	2.00

A. L. Gonneville,	\$10.00
Gray's Market,	9.00
Lyman B. Gray,	4.00
John Greenwood,	2.00
C. J. Griffen,	30.00
A. Hamelin,	172.00
H. S. Hammond,	48.00
Harrington Cash Store,	276.00
George Harrington,	22.00
S. Harrison & Son,	77.50
Geo. L. Hathaway,	4.00
James Haworth,	167.00
Edward H. Healey,	208.50
B. Hebert,	222.00
P. Herrity,	48.95
Wm. Hindle,	100.00
Herbert W. Hirst,	69.75
R. Holcomb,	44.00
Beriah G. Howland,	100.00
E. D. Howland,	57.94
Frank C. Hoxie,	142.00
James L. Humphrey, Jr.,	294.40
George Hunter,	264.50
Frederick Hutchings,	14.00
Wm. M. Jenks,	2.00
Wm. F. Jenney,	72.00
Wm. S. Jenney,	6.00
Theodore Johnson,	3.00
P. Jordan,	57.00
John Joseph,	11.00
Manuel Joseph,	34.50
Joseph Keroack,	16.00
J. F. Kraihanzel,	8.00
Joseph Lafrance,	185.00
Joseph Lagesse,	48.00
Alden M. Lawton,	98.00
Clark Leavitt,	10.00
Frank Lee,	33.00
Joseph Lord,	65.00
Manuel S. Lucas,	194.50
William T. Luce,	102.25
William T. Luce, Jr.,	111.50
W. Lussier & Co.,	30.00
Michael McDonnell,	145.70
David McGill,	3.50

Antone Mederios,	\$79.00
Manuel B. Mello,	10.00
L. E. Milliken,	117.75
L. E. Milliken & Co.,	269.50
Wm. T. Monterieff,	34.50
C. M. Morse, Jr.,	8.00
Thomas J. Murphy,	240.00
William Neal,	22.00
New York Market,	14.00
N. Nolin,	67.00
John Notter,	195.25
Manuel J. Noyer,	42.50
Alfred Nye,	78.00
William Ogden,	16.00
Alfred Owen,	61.50
Herbert A. Palmer,	4.00
S. Paquette,	12.00
F. & R. W. Pease,	3.50
A. E. Perry & Co.,	276.50
Charles F. Perry,	785.25
Frank Perry,	19.50
P. Phoenix,	327.00
Frank P. Ponte,	113.50
Joseph P. Ponte,	163.00
Charles A. Poirier,	16.00
Edwin L. Potter,	80.00
Wm. F. Potter & Co.,	780.47
A. J. Query,	18.00
Quincy Market Co.,	148.00
James A. Randall,	22.00
E. G. Rice,	4.00
J. F. Riley,	107.50
W. A. Robbins,	32.00
W. F. Robbins,	41.25
Daniel Robinson,	102.00
M. Roleau,	68.00
David Rose,	96.50
P. J. Ryan,	6.00
Sears & Wallace,	85.00
Louis Senesac,	14.00
N. Sensesac,	26.00
C. Sharples,	11.00
I. C. Sherman & Son,	33.00
E. S. Silvester,	71.50
Simister & Mills,	27.00

A. J. Simmons,	\$6.50	
Caleb Slade,	135.76	
M. W. Snailham & Son,	115.00	
George B. Stafford,	95.50	
A. G. Stanton,	39.50	
W. Stern,	44.50	
G. F. Stollard,	3.85	
Peter F. Sullivan,	9.00	
John Sweeney,	12.00	
O. R. Taber & Son,	64.50	
John C. Taylor,	2.00	
Narcisse Terrien,	2.00	
M. Tetrault,	4.00	
Thompson & Sweeney,	7.00	
Thomas Tomlinson,	6.00	
Augustus C. Tripp,	154.00	
E. C. Tripp,	38.00	
Wilson M. Tripp,	2.00	
Joseph Vera,	16.00	
Walter G. Viall,	2.75	
U. Vigneault,	18.00	
Franklin H. Vinal,	236.00	
Wamsutta Cash Store,	40.00	
A. R. Washburn,	281.00	
Wm. Whittaker,	18.00	
Wilson & Wordell,	12.50	
James Wood,	6.00	
John A. Wood & Co.,	283.50	
F. Zimmerman,	227.50	\$28,162.20

Physicians and medical supplies:—

H. A. Blackmer,	6.00	
James E. Blake,	3.00	
Bullock & Waldron,	26.20	
C. F. Cushing,	3.50	
E. W. Dehn, M. D.,	1,050.95	
F. M. Douglass,	3.65	
F. M. Kennedy, D. D. S.,	20.50	
C. H. & H. A. Lawton Co.,	17.80	
George F. Lewis, M. D.,	1,120.00	
James H. Nuttall,	19.25	
F. R. Pease,	2.95	
C. A. B. Peterson, M. D.,	30.00	
E. M. Whitney, M. D.,	41.00	
E. T. Ryan & Co.,	3.00	2,347.80

Salaries and clerk hire:—

Ella F. Bucklyn, clerk,	\$707.10	
A. H. W. Carpenter, overseer and secretary,	396.34	
W. P. Grinnell, services,	228.00	
Charles S. Paisler, overseer,	150.00	
Joseph C. Patnaude, services,	220.00	
Rosanna Patnaude, services,	11.00	
Charles A. B. Peterson, overseer,	62.50	
Antone H. Senna, visitor,	595.04	
Thomas G. Wing, overseer and secretary,	473.96	
A. A. Wood, visitor,	707.10	\$3,551.04

State Institutions:—

Commonwealth of Massachusetts,	\$835.30	
Hospital Cottages for Children,	35.75	
School for Epileptics,	31.57	
School for Feeble Minded,	169.45	
Medfield Insane Asylum,	1,314.00	
Taunton Lunatic Asylum,	7,527.39	
Westboro Insane Hospital,	338.92	
Worcester Insane Asylum,	169.46	
Worcester Lunatic Hospital,	169.46	10,591 30

Wood and Coal Yard:—

C. A. Braley, wood,	226.68	
H. B. Churbuck, wedges,	1.50	
George A. Cobb, wood,	288.82	
Stephen P. Coffin, salary,	365.00	
Frank H. Cornell, wood,	137.61	
T. S. Corson, coal,	1,849.74	
DeWolf & Vincent, saws,	3.25	
M. S. Douglass, wood,	94.93	
David Duff & Son, coal,	228.00	
T. M. Gifford, labor,	110.00	
D. L. Hathaway & Sons, stock and labor,	27.33	
Highways and Streets, carting,	814.20	
E. D. Howland, wood,	21.00	
Jenney Hardware Co., grinding tools,	11.14	
P. P. Jenney & Son, tool fitting and repairs,	122.54	
A. H. King, wood,	206.31	
George D. Richards, brush,	.65	
John A. Russell, wood,	42.75	
John T. Skiff, wood,	21.89	
Joseph W. Spooner, wood,	148.11	
Walter Taber, wood,	55.03	
C. E. Westgate, wood,	50.89	4,827.37

Miscellaneous :—

F. T. Akin & Co., cutting glass,	\$.55
James T. Almy, eyeglasses,	11.00
E. Anthony & Sons, printing and subscription,	39.89
Ashley & Peirce Clothing Co., clothing,	10.28
I. L. Ashley, carriage hire,	26.80
Blackbird Pen Co., pens,	10.00
F. S. Blanchard & Co., year book,	1.50
Bliss & Nye, cuspidor,	1.60
F. A. Bonneau, blacksmithing,	12.25
Boston Shoe Store, shoes,	33.10
Briggs & Lawrence, desk,	11.50
F. S. Brightman, stationery,	2.70
Buchell Shoe House, shoes,	36.61
T. S. Buck, rubber stamps,	11.12
Bullock & Waldron, medicines,	6.15
George F. Castino, milk,	2.28
Central Union Association, soap and matches,	1.10
City Treasurer, cash orders,	2,599.28
W. H. Collins & Co., printing and binding,	46.25
Com. of Mass., board of paupers,	114.39
Charles R. Cornell, carriage hire,	3.00
C. S. & B. Cummings, matches,	.58
J. Davis & Co., shoes,	8.85
P. Devoll & Son, shoes,	45.79
Thomas Donaghy, shoes,	6.40
David Duff & Son, carting,	2.00
E. C. Gardiner, carriage hire,	18.95
C. A. Gray & Co., freight and carting,	.50
W. A. Greenough & Co., directory,	2.50
Haskell & Tripp, dry goods,	2.25
Mrs. E. T. Harris, board,	78.00
Hardy Hitch, Jr., shades,	1.00
Samuel Hobbs & Co., stationery,	66.50
H. S. Hutchinson & Co., registers and stationery,	20.50
C. E. Kibbey, shoes,	42.25
W. T. Lane & Bro., coal bags,	32.50
A. E. Lucas, shoes,	48.64
Lyon Platinum Pen Co., pens,	7.50
Mansion House, meals,	2.50
Mercury Publishing Co., printing and sub- scription,	74.30
Moynan & Co., dry goods,	10.39
N. B. Gas & Edison Light Co., repairs,	4.20

N. Y., N. H. & H. R. R. Co., freight,	\$.53	
James H. Nuttall, medicines,	9.25	
J. Henry Peirce, carriage hire,	22.50	
S. F. Perry, carriage hire,	2.00	
Police Department, transportation,	4.00	
C. B. Richard & Co., transportation,	20.00	
George D. Richards, office supplies,	6.22	
• A. M. Rodgers, agent, transportation,	139.85	
Saint Luke's Hospital, board,	857.03	
Saint Mary's Home, board,	43.00	
Sanders & Barrows Clothing Co., clothing,	2.00	
Schuler Bros., shoes,	2.00	
Mortimer Searles, rubber stamps,	1.70	
C. R. Sherman, battery and keys,	3.25	
A. L. Shockley, services,	16.00	
J. L. Silva, transportation,	25.00	
Smith & Murphy, syringe,	1.00	
So. Mass. Telephone Co., service and tolls,	240.38	
Fred D. Stanley, legal services,	161.50	
R. W. Taber, stationery,	83.53	
Union Boot & Shoe Co., shoes,	27.80	
M. R. Warren & Co., stationery,	2.20	
Charles F. Wing, cushion and repairs,	6.95	
T. G. Wing, use of horse and buggy,	40.00	
F. H. Winship, dinners,	118.40	
J. & W. R. Wing & Co., clothing,	11.25	
Wood, Brightman & Co., repairs,	2.80	5,307.59
		\$77,018.19
To transfer to balance,		1.81
		\$77,020.00

CR.

By appropriation,	\$36,000.00	
By special appropriations,	29,000.00	
By transfer, "almshouse changes," etc.,	8,000.00	
By transfer from unappropriated funds,	4,000.00	
Cash receipts as per Treasurer's report,	20.00	\$77,020.00

PRINTING, BINDING AND STATIONERY.

DR.

E. Anthony & Sons,	\$424.43	
J. Q. Bradish,	2.70	
Geo. L. Briggs,	1.50	
F. S. Brightman,	15.90	
Carter's Ink Co.,	14.10	
Catholic Union Publishing Co.,	41.00	
W. H. Collins & Co.,	812.95	
Greenough, Adams & Cushing,	12.35	
Samuel Hobbs & Co.,	10.50	
H. S. Hutchinson & Co.,	19.89	
A. E. Martell & Co.,	22.87	
Mercury Publishing Co.,	1,678.11	
N. B. Printing Co.,	6.50	
C. R. Sherman & Son,	.37	
Robert W. Taber,	460.71	
Wyckoff, Seamens & Benedict,	.70	\$3,524.58
Transfer to balance,		475.42
		\$4,000.00

CR.

By appropriation,		\$4,000.00

PUBLIC SCHOOLS—INCIDENTALS.

Dr.

Salaries :—

William E. Hatch, superintendent and		
secretary,	\$3,500.40	
Emma M. Almy, clerk,	850.32	
Mary C. Potter, “	450.20	
Sarah D. Ottiwell, “	615.00	
George K. Dammon, messenger,	600.04	\$6,015.96

Pay rolls :—

Janitors and truant officers,	16,946.99
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Books and stationery :—

Allyn & Bacon,	30.01
American Bank Note Co.,	25.00
American Book Co.,	1,063.14
E. Anthony & Sons,	253.70
D. Appleton & Co.,	45.15
Edward E. Babb,	38.91
Boston School Supply Co.,	70.80
Arthur C. Boyden,	3.60
T. H. Castor & Co.,	120.94
Chemical Paper Co.,	268.03
W. P. Clark & Co.,	8.00
W. H. Collins & Co.,	110.80
Eagle Pencil Co.,	160.00
Frost & Adams Co.,	137.93
Ginn & Co.,	554.98
J. L. Hammett & Co.,	35.42
Harper & Bros.,	12.66
D. C. Heath & Co.,	178.52
Holden Patent Book Cover Co.,	371.99
Houghton, Mifflin & Co.,	41.91
H. S. Hutchinson & Co.,	55.70
W. B. Jones,	12.00
Leach, Shewell & Co.,	2.34
Leach, Shewell & Sanborn,	31.38
Maynard, Merrill & Co.,	622.30
New Bedford Business University,	10.00
Geo. S. Perry & Co.,	455.33
Practical Text Book Co.,	21.60
Prang Educational Co.,	944.17

G. P. Putnam's Sons,	\$24.00	
Geo. H. Richter & Co.,	22.80	
Riverside Paper Co.,	719.80	
C. R. Sherman & Son,	8.80	
Smith Premier Typewriter Co.,	4.00	
Robert W. Taber,	639.21	
Thompson, Brown & Co.,	153.13	
William Ware & Co.,	490.44	
Williams & Rogers,	33.12	\$7,781.61

Lights and fuel:—

F. T. Akin & Co.,	9.90	
Merton B. Ashley,	122.64	
H. T. Borden,	29.80	
Charles A. Braley,	14.24	
T. S. Corson,	2,801.49	
Denison-Plummer Co.,	6.05	
David Duff & Son,	5,380.51	
W. T. Emery,	24.50	
John R. Gurney,	6.56	
S. T. Hawes,	4.75	
A. W. Holmes,	3.00	
D. Hutchings,	9.50	
N. B. Gas & Edison Light Co.,	1,486.56	
John N. O'Brien,	4.50	
John A. Russell,	4.81	
Geo. H. Spencer,	6.24	
L. A. Washburn,	8.00	
William Whitehead,	6.00	
Wood, Brightman & Co.,	57.65	9,986.70

Repair heating apparatus:—

T. W. Chase & Co.,	4.54	
J. S. Lewis, Jr.,	3.00	
S. C. Lowe,	3.75	
N. B. Boiler & Machine Co.,	13.01	
E. F. Penney,	.70	
Smead Furnace & Foundry Co.,	20.00	
Wood, Brightman & Co.,	58.30	103.30

Supplies:—

F. T. Akin & Co., paint and oil,	18.89
A. W. Allen, case,	15.00
James E. Blake, nitrate,	2.70
Bliss & Nye, glass and tinware,	5.20
C. T. Bosworth & Co., acid and sponge,	1.85
W. P. Briggs, keys,	1.50

C. H. Brownell & Sons, groceries,	\$131.68
E. C. Brownell & Co., vegetables,	1.42
Bullock & Waldron, sponge and disinfectant,	3.75
Elihu Bunker, chemicals,	.60
Chandler Adjustable Desk Co., furniture,	535.10
Chandler & Barber, knives,	4.13
DeWolf & Vincent, bell,	2.00
Thomas Donaghy,	1.92
F. M. Douglass, chemicals,	1.57
Driscoll, Church & Hall, janitor supplies,	19.90
Eimer & Amend, apparatus,	220.76
George E. Faisneau, dry goods,	17.01
C. A. Galligan, furniture,	61.80
J. L. Hamett Co., blackboard,	2.60
Haskell & Tripp, dry goods,	40.95
George E. Hatch, ash cans,	7.50
T. Hersom & Co., soap,	33.85
W. S. Hill Electric Co., wire,	.30
George W. Hillman, flags and glass,	34.25
Hillman, Washburn & Co., ash cans and hard- ware,	113.36
Edwin E. Howell, lantern slides,	25.00
L. E. Knott Apparatus Co., apparatus,	255.41
Morse Twist Drill & Machine Co., steel,	.40
Packard Hardware Co., hardware,	20.38
Frank R. Pease, chemicals,	2.00
E. H. Peirce, ash cans and oil,	28.10
Geo. S. Perry & Co., furniture and clay,	212.80
G. & L. Poisson, towels,	2.58
Popes Island Mfg. Co., zinc,	1.50
George D. Richards, janitors' supplies,	396.86
E. S. Ritchie & Sons, plate,	2.75
F. R. Slocum, desk,	25.00
Smith Premier Typewriter Co., machine,	70.00
F. L. Sowle & Co., hardware,	15.02
Nat P. Sowle, lumber,	107.88
J. B. Stewart, cambric and needles,	6.79
M. H. Sullivan, tables,	60.00
Sulpho Naphthol Co., disinfectant,	45.00
Union for Good Works, pillow cases,	.70
United Typewriter Supply Co., machines,	140.00
Wadsworth, Howland & Co., color cups,	36.00
Watson Bros., fish,	4.09
William R. West, curtain rolls,	11.90
Alfred G. Wilbor, clock,	3.50

Williams, Brown & Earle, instruments,	\$18.00	
C. F. Wing, furniture and draperies,	413.10	
James A. Wood, janitor supplies,	11.38	
Edward E. Wright, sponges,	2 00	
Wyckoff, Seamans & Benedict, typewriter machines and supplies,	187.47	
Zeigler Electrical Co., apparatus and supplies,	142.35	\$3,527.55

Miscellaneous:—

Edwin Allen, express,	5.40
Almy & Hitch, repairs,	16.95
T. L. Andrews, repairing pail,	1.00
E. Anthony & Sons, printing,	331.13
" " " advertising,	31.09
" " " subscriptions,	14.07
Robert Arnett, labor and laundry,	24.95
H. M. Atwood, stock and labor,	33.26
Mary E. Austin, expenses,	2.35
Geo. Bailey, labor,	145.50
James H. Bamford, labor,	33.85
Bates, Kirby & Co., ice,	3.60
F. S. Blanchard & Co., year book,	1.50
J. D. Blanchard & Co., crash,	2.25
Bliss & Nye, crockery and screen,	19.16
Blossom Bros., lumber and carting,	7.07
C. T. Bonney, Jr., travelling expenses,	2.35
Briggs & Lawrence, furniture and repairs,	102.77
Wm. P. Briggs, electrical work,	76.47
Mahala Broadbent, cleaning,	10.40
Samuel S. Broadbent, washing towels,	19.73
T. S. Buck, rubber stamps,	6.00
H. O. Casey, cleaning,	4.65
Catholic Union, advertising,	13.00
C. H. Chace, transportation scholars,	27.30
E. B. Chace & Co., picture framing,	1.50
Phylander Chace, labor and laundry,	9.39
T. W. Chace & Co., hose bands,	1.65
City Coal Co., freight and carting,	25.45
Geo. A. Cobb, fitting stove,	3.25
Wm. J. Cochrane, labor,	22.60
Coffin Bros., boxes,	10.50
S. H. Cook & Co., boiler insurance,	425.00
Wm. Cronin & Co., blanket,	3.00
W. B. Cross, rent of theatre,	94.50
C. S. & B. Cummings, alcohol and soda,	4.25
George H. Dammon, laundry,	8.88

H. G. Dennis, rent,	\$250.00
Robert V. Devoll, stock and labor,	10.66
DeWolf & Vincent, hardware and tools,	23.71
Mary E. Donovan, needles,	.80
C. L. Dunham, stock and labor,	18.95
R. T. Durfey, stock and labor,	47.91
Fournier & Nicholson, glass,	1.25
Edgar H. Gammons, cleaning cesspool,	1.00
Henry M. Gifford, labor,	8.70
C. A. Gray & Co., freight and carting,	89.63
Greene & Wood, lumber sawing and carting,	33.80
W. A. Greenough & Co., directories,	5.00
Mrs. E. A. Hadley, labor on curtains,	2.00
T. M. Hart & Co., flag repairs,	37.68
Harvard University, lists,	10.00
Hatch & Co., express,	65.35
Geo. E. Hatch, tube repairs,	18.85
W. E. Hatch, transportation,	25.00
A. B. Hathaway, motto,	9.00
George B. Hathaway, filling diplomas,	16.00
James T. Heron, labor and laundry,	21.67
Heywood Bros. & Wakefield Co., desks,	147.00
High School Cadets, hall rent,	10.00
Thomas C. Holmans, labor and laundry,	16.80
James H. Hoye, insurance,	50.00
Jenney Hardware Co., repairing mowers,	1.95
P. P. Jenney & Son, tool grinding,	1.87
Wm. A. Jennings, carting,	346.89
Edwin Jones, making and washing towels,	13.14
Herman Karcher, shellac and spirits,	9.00
W. L. Kelley, clock and repairs,	10.25
H. B. Kennealley, typewriting,	.75
Knickerbocker Co., hand fire extinguisher,	20.00
Mrs. B. F. Lewis, painting bookcases,	4.60
J. S. Lewis, Jr., stock and labor,	79.40
John H. Lowe, rent,	510.00
S. C. Lowe, tools and supplies,	6.35
Hiram T. Lumbert, laundry,	32.35
John Lumbert, laundry,	15.26
James McFarlin, moving,	1.50
Macy's, sundries,	.40
John L. G. Mason, agent, stock and labor,	53.95
John J. Meaney, stock and labor,	106.05
Thomas J. Meaney, rent,	1,600.00
Mercury Publishing Co., advertising,	14.83
“ “ “ printing,	223.04

R. J. Monterieff, labor and laundry,	\$5.67
T. J. Moriarty, varnish and brush,	3.95
N. B. Bulletin, advertising,	30.42
N. B. Ice Co., ice,	.45
N. B. Carpet Beating Co., cleaning,	12.13
N. Y. Calcium Co., gas,	3.25
N. Y., N. H. & H. R. R. Co., freight,	.66
Wm. F. Nye, oil,	.35
S. F. Perry & Co., carriage hire,	8.25
Henry T. Phillips, labor and services,	169.21
F. O. Pollock, laundry,	59.15
E. L. Potter, tacks and ammonia,	.85
Rattan Novelty Co., chair repairs,	18.45
John H. Rudge, laundry,	9.33
E. H. Shaw & Co., jar,	.50
Stephen H. Shepherd, car fare,	1.75
C. R. Sherman, stock and labor,	35.05
R. A. Sherman, stock and labor,	680.71
Wm. D. Sherman, blacksmithing,	1.25
L. E. Shurtleff, clock repairs,	4.50
Frank B. Sistare, stock and labor,	30.22
James Slater, flag,	5.98
Smith Premier Typewriter Co., repairs,	1.50
Allen Smith, Jr., carriage hire,	42.00
A. C. Smith, electric supplies and repairs,	24.85
Soule Decorating Co., decorations,	5.00
So. Mass. Telephone Co., service,	180.83
“ “ “ “ labor and tolls,	.67
South P. M. church, rent,	585.00
Spruce Street Christian Church, rent,	480.00
D. J. Sullivan, clock and repairs,	25.75
Martin H. Sullivan, labor,	4.90
Taber-Prang Co., frame,	1.25
Edwin S. Tallman, laundry and sundries,	7.20
Taylor & Sawtelle, moulding and shades,	33.44
George Thomas, ice,	3.00
Wm. J. Tilton, labor and sundries,	4.35
Leroy G. Tripp, labor and material,	9.07
Union Street Railway Co., tickets,	35.00
A. P. White, labor,	36.06
Samuel Whitlow, batteries and labor,	6.05
James M. Whittaker, laundry,	4.50
S. S. Wilber, moving,	1.00
C. F. Wing, carpets,	91.63
Wood, Brightman & Co., sundries,	4.48

James A. Wood, laundry,	\$11.58	\$8,199.30
		<u>\$52,561.41</u>

CR.

By appropriation,	\$32,000.00	
By special appropriation,	17,559.00	
Transfer from unappropriated funds,	2,000.00	
Cash receipts as per Treasurer's report,	2.00	
Transfer to balance,	1,000.41	\$52,561.41

PUBLIC SCHOOLS—PAY OF TEACHERS.

DR.

HIGH SCHOOL.

Charles S. Moore,	\$2,818.75	
Charles T. Bonney, Jr.,	1,640.00	
Charles R. Allen,	1,640.00	
William K. Norton,	1,632.00	
Ernest V. Page,	1,227.50	
Elizabeth P. Briggs,	922.50	
Lydia J. Cranston,	935.00	
Mary E. Austin,	922.50	
Lucretia N. Smith,	922.50	
Emma K. Shaw,	922.50	
Helen L. Hadley,	919.50	
Mabel W. Cleveland,	922.50	
Emma H. Parker,	836.25	
Katharine M. Crabtree,	820.00	
Edmond E. Baudoin,	307.50	\$17,389.00

GRAMMAR SCHOOLS.

Fifth Street:—

Allen F. Wood,	1,947.50	
Lydia A. Macreading,	692.07	
N. Emma Slack,	685.07	
Mary E. Allen,	615.00	
Sarah E. Stoddard,	615.00	
Emma A. McAfee,	615.00	
Mary W. Leymunion,	615.00	
Annie C. Hart,	615.00	
Mary A. Kane,	615.00	
Grace L. Carver,	612.00	
Lottie M. Allen,	614.00	8,240.64

Middle Street:—

George H. Tripp,	1,947.50	
Lucy B. Fish,	686.07	
Lucy F. Winchester,	658.33	
Anastasia O'Keefe,	432.00	
Ida M. Clement,	615.00	
Clara S. Vincent,	613.50	
Etta M. Abbott,	615.00	
Helen McCoy,	615.00	
Lizzie E. Omey,	615.00	
Julia C. Gifford,	615.00	
Elizabeth D. Hicks,	507.29	7,919.69

Parker Street:—

Nelson Freeman,	\$1,330.00	
Arthur F. Gilbert,	617.50	
Anna L. Jennings,	692.07	
Helen Ring,	672.20	
Martha A. Hemenway,	420.00	
Daisy M. Butts,	615.00	
Mary L. Pettey,	613.50	
Mariana N. Richmond,	615.00	
Elizabeth B. Brightman,	392.00	
Emily A. Delano,	615.00	
Susan H. Lane,	615.00	
Emma D. Larrabee,	237.00	
Regina M. Paul,	120.00	
Lillian T. Thomas,	195.00	
Angie M. Lurvey,	110.00	
Janet Hunter,	272.50	
Clara J. Wetherell,	400.64	
Mabel A. Valentine,	404.00	
Anastasia O'Keefe,	180.00	\$9,116.41

Phillips Avenue:—

Agnes J. Dunlap,	969.25	
Clara M. Woodward,	610.00	
Alice A. Richardson,	580.00	
Helen I. Boyd,	563.75	
Ida A. Ricker,	563.75	
Louise M. Newhall,	552.55	
Susan Gifford,	469.63	
Helen K. Covill,	418.26	
May H. Wentworth,	101.25	4,828.44

Thompson Street:—

Alice C. Munsey,	1,230.00	
Mary A. Macy,	615.00	
Cora B. Cleveland,	615.00	
Lizzie M. Briggs,	615.00	
Grace E. Weeks,	435.00	
Charlotte M. Murkland,	350.12	
Annie L. Murkland,	457.63	
Anna H. Bartlett,	469.53	
Agnes M. James,	328.75	
Grace W. Glines,	177.75	
Helen T. Maxfield,	116.86	5,410.64

PRIMARY SCHOOLS.

Acushnet Avenue:—

Jane C. Thompson,	\$768.75	
Hattie L. Finlan,	385.00	
Carrie S. Silva,	563.75	
Nellie A. Walker,	385.00	
Margaret H. Holmes,	563.75	
Sarah E. Kirwin,	563.75	
Julia M. Pilling,	563.75	
Harriet L. Cornell,	555.28	
Lida J. Brightman,	563.75	
Mary C. Barstow,	563.75	
Sylvia W. Paulding,	443.69	
S. Agnes Holmes,	177.95	
Ella W. Keene,	145.45	\$6,243.62

I. W. Benjamin:—

Jane E. Gilmore,	918.65	
Susan M. Tompkins,	240.25	
Annie C. O'Connor,	563.75	
Nellie W. Davis,	562.15	
Alice A. Taylor,	562.38	
Mary F. Livingston,	563.75	
Emma L. Gartland,	563.75	
Flora A. Pearl,	555.75	
Helen G. Malley,	385.00	
Marion H. Swasey,	555.00	
Laura C. McCabe,	502.52	
Sophie T. Anthony,	503.77	
Mary E. Ward,	477.50	
Lila D. Haney,	501.37	
Ella W. Keene,	279.84	
Florence M. Anthony,	418.26	
Cecilia A. Deane,	418.26	
Jeannette B. Fuller,	196.00	
Mary L. Hillman,	212.70	
Angie M. Lurvey,	68.75	9,049.40

Cedar Grove Street:—

Maria B. Clark,	920.56	
Annie G. Brawley,	563.75	
Isabella F. Winslow,	563.75	
Kate Sweet,	563.75	
Alice P. Winchester,	563.75	
Ruth E. Pease,	538.95	
A. Gertrude Wheaton,	535.45	

Minnie C. Ritter,	\$554.27	
Julia W. Corish,	562.15	
Grace N. Bramhall,	535.11	
Gillian M. Gordon,	475.37	
Sarah Peckham,	499.07	
Harriet A. Taylor,	503.77	
Agnes D. Allen,	418.26	
Mary P. Brownell,	418.26	
Grace W. Dillingham,	376.00	\$8,592.22
Cedar Street :—		
Annie S. Homer,	421.79	
Hattie L. Finlan,	203.06	
Abby D. Whitney,	375.40	
Bessie P. Peirce,	574.86	
Annie L. Edwards,	561.00	
Mabel L. Hathaway,	563.75	
Ruth M. Tripp,	563.75	
Mary V. Perry,	280.00	
Rachel M. Wordell,	30.00	
M. Beulah Edwards,	178.75	
Edith M. B. Taber,	178.75	3,931.11
Cannonville :—		
Adelaide J. McFarlin,	589.45	
Florence A. Poole,	563.75	1,153.20
Clark Street :—		
Elizabeth P. Spooner,	743.20	
Lucy S. Leach,	539.75	
Isabella Luscomb,	563.75	
Martha D. Shute,	541.35	
Annie S. Ray,	556.40	
Esther W. Paul,	473.50	
Lucia E. Bliss,	501.35	
Grace B. Ashley,	441.29	
Clara L. Bennett,	411.30	4,771.89
Dartmouth Street :—		
Isadore F. Eldridge,	694.46	
Sarah F. Pratt,	563.75	
Annie F. Smith,	556.88	
Edith M. B. Taber,	385.00	
Nellie H. Cook,	563.75	
Sara H. Kelley,	400.00	
Carrie W. Bliss,	453.04	
Jeannette B. Fuller,	114.10	
Carolyn S. Jones,	129.20	
Nellie L. Foster,	84.00	3,944.18

G. H. Dunbar:—

M. Eva Schwall,	\$698.00	
Grace H. Potter,	534.90	
Alice J. Lawrence,	563.75	
Sarah E. Slade,	350.00	
Angela F. Bowie,	555.00	
Mary L. Rogers,	449.34	
Jennie A. Murphy,	379.20	
Helen G. Malley,	178.75	
Mary V. Perry,	138.10	\$3,847.04

T. A. Greene:—

Sarah H. Cranston,	685.50	
Eliza H. Sanford,	563.75	
Sarah E. Sears,	562.15	
Lillie C. Tillinghast,	558.95	
Annie L. Macreading,	563.75	
Caroline E. Bonney,	563.75	
Dora A. DeWolf,	562.95	
Bertha C. Hathaway,	443.69	
Nellie E. Gibson,	348.40	
Mabel A. Morris,	112.50	4,965.39

S. A. Howland:—

Carrie E. Footman,	633.62	
Amelia Lincoln,	563.75	
Mary J. Graham,	562.15	
Helen J. Kirk,	563.75	
Ruth A. Wilde,	457.04	2,780.31

Merrimac Street:—

Harriet S. Damon,	664.65	
Julia A. Ellis,	554.95	
Addie West,	563.75	
Anna I. Dexter,	563.75	
Ella M. Robinson,	385.00	
Grace A. Arms,	442.10	
Clara Davis,	177.15	3,351.35

Wm. H. Taylor:—

Mary E. McAuliffe,	623.10	
Agnes J. Butler,	30.00	
Florence S. Hartshorn,	138.10	
Rachael M. Wordell,	408.79	
Lulu F. Rider,	130.00	
Bertha M. Martindale,	162.50	1,492.49

Mary B. White:—

Elizabeth Bennett,	\$580.20	
Annie E. Pearce,	563.75	
Clara C. M. Gage,	562.15	
Mary E. Pasho,	563.75	
A. Gertrude Wheaton,	27.50	\$2,297.35

Harrington Normal and Training School:—

Josephine B. Stuart,	1,712.75	
Mary E. Trask,	1,122.00	
Carolyn D. Wood,	922.50	
Belle Almy,	557.35	
Fannie M. Spooner,	443.95	
Kate Moore,	615.00	
Grace W. Russell,	517.00	
Grace W. Dillingham,	10.80	
Nellie E. Gibson,	10.80	
Carolyn S. Jones,	98.00	
Jenny A. Murphy,	10.80	
Clara J. Wetherel,	10.80	
Mary E. Boardman,	139.20	
Ethel E. Clapp,	119.60	
Helen L. Corish,	126.40	
Alice E. Higham,	129.60	
Rose M. Meaney,	146.40	
Hannah E. Norton,	121.20	
Mary E. Peckham,	112.80	
Mary J. Read,	140.80	
Minnie H. Smythe,	134.00	
Harriet J. Thorpe,	144.40	
Harriet S. Ashley,	143.60	7,489 75

UNGRADED SCHOOLS.

North Mill:—

Emma R. Wentworth,	635.50	
Charlotte C. Carr,	378.60	
Flora M. Corwin,	178.75	1,192.85

South Mill:—

Lucy J. Remington,	609.50	
Ruby M. Tripp,	547.25	1,156.75

Acushnet:—

Annie C. Maxfield,	647.50	
Belle B. Wheeler,	615.00	
Harriet N. Hyatt,	563.75	1,826.25

North :—

Mary I. Ashley,	\$557.00	
Mary G. F. Davis,	527.50	\$1,084.50

Plainville :—

Eudora Lawrence,	615.00	615.00
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Rockdale :—

Lillian T. Thomas,	420.00	
Addie W. French,	195.00	
Alice P. Terry,	410.00	1,025.00

SPECIAL TEACHERS.

F. H. Butterfield,	1,947.50	
Mary W. Gilbert,	1,537.50	
Lena M. Willis,	543.51	
Gertrude H. Leonard,	533.08	
Harriet Phillips,	538.32	
Edwin R. King,	1,435.00	
S. Agnes Donham,	420.00	
Elizabeth C. Sprague,	162.50	7,117.41

EVENING SCHOOLS.

Cedar Grove Street :—

Ernest V. Page,	150.50
Mary E. Ward,	60.00
Sarah F. Pratt,	61.50
Mary E. Peckham,	37.50
Lulu F. Rider,	25.50
Mellie G. Harding,	52.50
Annie G. Brawley,	64.50
Mary E. McAuliffe,	37.50
Eliza G. M. Jenney,	37.50
Alice Kelleher,	64.50
Isabella F. Winslow,	64.50
Susan E. R. Butts,	37.50
Isadore B. Lee,	61.50
Ruth M. Tripp,	37.50
Mary R. Hinckley,	61.50
Abby R. Johnson,	64.50
Dora A. DeWolf,	54.00
Bessie Fairchild,	37.50
Carolyn S. Jones,	54.00
Alice L. Allen,	60.00
Sylvia W. Paulding,	27.00
Flora M. Corwin,	27.00

Gillian M. Gordon,	\$27.00	
Edith Spooner,	27.00	
Nannie P. Slocum,	27.00	
Florence S. Hartshorn,	27.00	
Bertha M. Martindale,	27.00	
Jennie Gardner,	1.50	\$1,314.50

Fifth Street :—

George H. Tripp,	141.50	
Sarah E. Stoddard,	63.00	
Mary J. Graham,	64.50	
Clara S. Vincent,	37.50	
Sarah Peckham,	63.00	
Nellie H. Cook,	64.50	
Julia C. Gifford,	64.50	
Etta M. Abbott,	37.50	
Annie C. Hart,	64.50	
Lillie C. Tillinghast,	64.50	
Catharine T. Johnson,	64.50	
Helen McCoy,	64.50	
Ida M. Clement,	37.50	
Edith M. B. Taber,	61.50	
Ruth M. Tripp,	27.00	
Grace A. Rounsevell,	27.00	
Robert E. Briggs,	27.00	974.00

Parker Street :—

Mary A. Kane,	138.00	
Emma D. Larrabee,	37.50	
Mary L. Pettey,	10.50	
Sara L. Tallman,	64.50	
Julia W. Corish,	63.00	
Esther W. Paul,	9.00	
Lizzie E. Omev,	27.00	
Mary McIntyre,	64.50	
Sarah E. Kerwin,	64.50	
Daisy M. Butts,	37.50	
Helen Corish,	1.50	
Grace B. Rounsevell,	24.00	
Florence A. Poole,	27.00	
Sarah S. Fletcher,	27.00	
Harriet L. Cornell,	27.00	
Eliza G. M. Jenney,	27.00	
Mary E. Haney,	25.50	
Elizabeth Jones,	24.00	
Annie C. Maxfield,	6.00	
Hannah J. Ardill,	1.50	
Mary F. Livingston,	18.00	724.50

Phillips Avenue :—

William A. MacCord,	\$46.00	
Arthur F. Gilbert,	54.00	
Grace B. Ashley,	10.50	
Madeline Kyle,	25.50	
Nellie A. Walker,	21.00	
Mary F. Livingston,	30.00	
Jennie E. Gardner,	21.00	
Susan Gifford,	28.50	
Helen T. Maxfield,	27.00	
Hannah C. Norton,	21.00	
Elizabeth Jones,	3.00	
Edith Spooner,	21.00	
Ida E. Bailey,	48.00	
Nannie P. Slocum,	21.00	
George Marsden,	27.00	
Annie C. Maxfield,	18.00	
Alice L. Allen,	3.00	
Hannah J. Ardill,	22.50	\$448.00

Thompson Street :—

Joseph P. Kennedy,	141.50	
Janet Hunter,	18.00	
Kate K. Whelden,	64.50	
Clara M. Woodward,	63.00	
Emma L. Gartland,	63.00	
Annie F. Smith,	64.50	
Alice A. Taylor,	64.50	
Helen G. Malley,	64.50	
Mary L. Rogers,	64.50	
Cecilia A. Deane,	63.00	
Mary V. Perry,	64.50	
Agnes D. Allen,	64.50	
Mabel A. Valentine,	27.00	827.00

Evening Drawing :—

George H. Nye,	193.50	
Katharine M. Crabtree,	129.00	
Oliver H. Gardner,	129.00	
Franklin E. Smith,	48.00	499.50

SUBSTITUTES.

Harriet S. Ashley,	\$8.00	
Belle Almy,	4.80	
Mary E. Boardman,	19.80	
Mabel A. Bennett,	10.40	
Helen L. Corish,	46.40	
Ethel E. Clapp,	64.00	
Mary A. Cowles,	24.00	
Jennie B. Fuller,	16.00	
Evangeline Grey,	62.50	
Nettie E. Gibson,	8.80	
Ethel S. Gibbs,	4.80	
Mary L. Hillman,	14.40	
Alice E. Higham,	39 20	
Ruth E. Howland,	3.20	
Carolyn S. Jones,	18.80	
Edith K. W. Jameison,	3.20	
Helen T. Maxfield,	20.00	
Rose M. Meaney,	.80	
Hannah E. Norton,	53.60	
Mary E. Peckham,	75.80	
Dora Parker,	2.00	
Mary E. Ross,	35.00	
Mary Read,	7.40	
Lulu F. Rider,	43.20	
Grace W. Russell,	9.60	
Minnie H. Smythe,	29.60	
Fannie E. Spooner,	15.20	
Edith Spooner,	1.60	
Harriet J. Thorpe,	8.80	
Nellie A. Vance,	32.00	
Susan A. Wilcox,	13.33	\$696.23
		\$136,315.61

CR.

By appropriation,	\$108,849.00	
By special appropriation,	27,212.00	
Transfer from unappropriated funds,	254.61	\$136,315.61

PUBLIC SCHOOLS—REPAIR OF BUILDINGS.

. DR.

Acushnet :—

N. C. Briggs,	\$4.67	
Charles F. Chase,	1.45	
George A. Cobb,	11.33	
C. L. Dunham,	3.32	
E. F. Morton,	33.50	
John F. Parker,	2.40	
F. P. Washburn,	20.31	
William R. West,	23.01	\$99.99

Acushnet Avenue :—

T. J. Moriarty,	17.81	
N. B. Boiler & Machine Co.,	12.34	
E. F. Penney,	18.55	
R. A. Sherman,	7.51	56.21

Benjamin :—

Babbitt, Wood & Co.,	9.63	
R. Beetle,	19.68	
T. W. Croacher,	2.32	
Greene & Wood,	11.76	
M. A. Hickey,	17.06	
J. S. Lewis, Jr.,	2.75	
Wm. N. Nelson,	8.21	
John V. O'Neil,	11.24	
Jerome Pedro,	11.67	
James Warren,	35.00	
Wood, Brightman & Co.,	8.00	137.32

Cannonville :—

D. H. Cook,	15.75	
Highways and Streets,	6.02	
Mrs. B. F. Lewis,	7.38	29.15

Cedar Street :—

George E. Hatch,	2.75	
James B. Hazzard,	12.24	
Mrs. B. F. Lewis,	30.01	
Joseph S. Lewis, Jr.,	99.10	
J. L. G. Mason, agent,	22.65	
A. P. Pope,	199.50	
P. R. Swift,	79.75	446.00

Cedar Grove Street :—

D. Webster Allen,	\$142.60	
C. L. Dunham,	3.05	
John H. Ennis,	51.15	
Fournier & Nicholson,	5.48	
F. Hamel,	5.35	
E. F. Morton,	32.08	
John H. Pollock,	191.31	
A. P. Pope,	37.98	
Frank B. Sistare,	284.52	
John B. Sullivan,	103.05	
F. P. Washburn,	6.10	
William R. West,	57.37	\$920.04

Clark's Point :—

M. A. Hickey,	.69	.69
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Clark Street :—

George A. Bosworth,	7.54	
C. L. Dunham,	.55	
John H. Ennis,	81.02	
Fournier & Nicholson,	6.38	
Highways and Streets,	5.34	
L. Lloyd,	17.40	
Walter Martin,	17.50	
N. B. Boiler & Machine Co.,	33.35	
A. P. Pope,	50.25	
William R. West,	5.13	224.46

Dartmouth Street :—

Charles E. Allen,	3.85	
Jason L. Ballou,	6.68	
George C. Bliss & Co.,	4.75	
T. W. Chace & Co.,	94.39	
T. W. Croacher,	43.88	
Greene & Wood,	6.05	
Hillman, Washburn & Co.,	5.47	
T. J. Moriarty,	334.12	
William N. Nelson,	92.83	
John V. O'Neil,	378.43	
Jerome J. Pedro,	131.97	
A. W. Perkins & Co.,	25.25	
Orion Ricketson,	.93	
Wood, Brightman & Co.,	3.20	1,131.80

Dunbar :—

F. T. Akin & Co.,	\$39.57	
James B. Hazzard,	2.45	
Jenney & Buffington,	1.50	
Mechanics Iron Foundry,	12.86	
R. A. Sherman,	106.26	
William D. Sherman,	9.00	
James Warren,	25.00	
J. W. Welch,	11.80	\$208.44

Fifth Street :—

F. T. Akin & Co.,	18.81	
T. W. Chace & Co.,	43.75	
Herman Karcher,	61.19	
E. F. Penney,	30.00	
R. A. Sherman,	288.53	
James Warren,	22.00	464.28

Harrington :—

D. Webster Allen,	89.81	
C. O. Brightman,	8.45	
D. L. Hathaway & Son,	1,504.51	
Kern & Wright,	68.15	
A. W. Perkins & Co.,	18.20	
James F. Slade,	10.75	
John B. Sullivan,	1,583.40	
Robert A. Taber,	9.38	
S. S. Wilber,	7.00	
Wood, Brightman & Co.,	1,653.30	4,952.95

High :—

F. T. Akin & Co.,	16.05	
T. W. Chace & Co.,	4.97	
T. W. Croacher,	78.24	
DeWolf & Vincent,	13.10	
R. T. Durfee,	155.94	
Greene & Wood,	15.68	
James B. Hazzard,	5.40	
Hillman, Washburn & Co.,	15.58	
George L. Howland,	51.12	
Mrs B. F. Lewis,	12.83	
William Peirce,	18.00	
Slocum & Kilburn,	.60	
W. H. Wilson,	96.50	484.01

Howland:—

Peter Black,	\$11.67	
T. W. Chace & Co.,	209.42	
Highways and Streets,	80.81	
Kern & Wright,	77.17	
A. W. Perkins & Co.,	3.45	
Alex O. Pierce,	2.77	
B. S. Shaw,	44.00	
R. A. Sherman,	16.33	
Taylor & Donaghy,	113.00	\$558.62

Linden Street:—

Charles E. Allen,	93.84	
M. E. Daley,	58.85	
C. L. Dunham,	35.95	
F. Hamel,	19.01	
Walter Martin,	73.50	
John B. Sullivan,	18.50	
E. & K. C. Terry,	59.80	
W. J. Tilton,	22.35	381.80

Madison Street:—

George E. Hatch,	36.18	
Highways and Streets,	74.28	
Jenney & Buffington,	95.05	
Mrs. B. F. Lewis,	73.06	
A. P. Pope,	329.01	
Wood, Brightman & Co.,	4.12	611.70

Maxfield Street:—

Acushnet Iron Co.,	28.56	
Herbert M. Atwood,	22.47	
James Harper,	13.00	
George E. Hatch,	70.65	
D. L. Hathaway & Son,	6.72	
Kern & Wright,	134.44	
A. W. Perkins & Co.,	5.00	280.84

Merrimac Street:—

George E. Hatch,	46.82	
A. P. Pope,	16.88	
Charles Thompson,	27.94	
John B. Sullivan,	5.30	96.94

Middle Street:—

A. W. Allen,	5.34	
M. C. Ashley,	25.90	
T. W. Croacher,	118.05	

Fred M. Hammer,	\$64.47	
James B. Hazzard,	5.90	
Hillman, Washburn & Co.,	15.11	
George L. Howland,	92.92	
Mrs. B. F. Lewis,	1.42	
Joseph S. Lewis, Jr.,	50.50	
Anthony C. Merser,	23.75	
Allen J. Searell,	2.07	
James L. Sherman,	7.21	
Frank Tripp,	102.50	
Nathan Wheaton,	3.90	\$519.04

North:—

Walter Martin,	66.60	
F. P. Washburn,	39.02	105.62

Parker Street:—

Herbert M. Atwood,	121.20	
George A. Bosworth,	12.50	
William S. Brown,	16.25	
D. H. Cook,	250.40	
Fournier & Nicholson,	3.75	
Arthur F. Gilbert,	16.00	
George E. Hatch,	88.67	
Mrs. B. F. Lewis,	71.18	
S. C. Lowe,	9.39	
N. B. Boiler & Machine Co.,	75.95	
Wm. R. West,	.35	
S. S. Wilber,	11.00	676.64

Phillips Avenue:—

C. L. Dunham,	2.63	
Fournier & Nicholson,	.83	
Highways and Streets,	331.94	
N. B. Foundry & Machine Co.,	.25	
F. R. Pease,	6.50	
Slocum & Kilburn,	.94	
John B. Sullivan,	110.00	
Wm. R. West,	6.50	
Wood, Brightman & Co.,	.75	460.34

Plainville:—

M. C. Ashley,	\$3.85	
George S. Perry & Co.,	24.85	
Martin H. Sullivan,	20.15	
Wood, Brightman & Co.,	4.75	\$53.60

Rockdale:—

T. W. Chace & Co.,	28.84	
D. H. Cook,	8.18	
D. L. Hathaway & Son,	42.61	
Wood, Brightman & Co.,	24.37	104.00

School Committee Rooms:—

F. T. Akin & Co.,	2.73	
James H. Bamford,	14.50	
Peter Crapo,	39.00	
C. L. Dunham,	49.86	
William E. Hatch,	26.40	
Highways and Streets,	.62	
J. L. G. Mason, agent,	251.27	
R. A. Sherman,	579.69	
John B. Sullivan,	181.00	1,145.07

Taylor:—

E. F. Penney,	.75	
R. A. Sherman,	85.81	86.56

Thompson Street:—

Charles E. Allen,	95.38	
T. W. Chace & Co.,	11.70	
M. A. Hickey,	4.37	
John J. Meaney,	19.35	
T. J. Moriarty,	.35	
W. H. Nelson,	8.93	
John V. O'Neil,	130.36	
Jerome J. Pedro,	2.00	
Orion Ricketson,	2.70	275.14

Harrington Annex:—

R. A. Sherman,	61.15	61.15
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Lowe Building:

F. Hamel,	7.45	
Wm. R. West,	3.03	10.48

South Primitive Methodist Church:—

Edgar H. Gammons,	4.00	
John M. McLeod,	8.62	
T. J. Moriarty,	3.12	15.74

Spruce Street Christian Church :—

P. R. Swift,	\$5.95	
Charles Thompson,	1.50	
William J. Tilton,	3.30	\$10.75

 \$14,609.37

To transfer to balance,

340.98

 \$14,950.35

 CR.

By appropriation,	\$6,400.00	
By special appropriations,	8,547.00	
Cash receipts as per Treasurer's report,	3.35	\$14,950.35

PUBLIC SCHOOLS—DOG FUND.

DR.

Census :—

Luke Allen,	\$40.00	
Laura T. Howland,	37.00	
Samuel E. Miller,	50.00	
Henry T. Phillips,	81.54	
Edward T. Sherman,	75.00	
Albert P. White,	55.00	\$338.54

Committee Rooms :—

F. T. Akin,	189.89	
Wm. P. Briggs,	28.80	
Briggs & Lawrence,	82.34	
C. L. Dunham,	11.35	
M. S. Gifford,	14.00	
Wm. L. Kelley,	50.00	
J. T. Holloway,	15.90	
N. B. Gas & Edison Light Co.,	26.54	
George S. Perry & Co.,	7.45	
General Sewers,	17.34	
Highways and Streets,	12.10	
R. A. Sherman,	2,111.86	
Nat P. Sowle,	60.00	
John B. Sullivan,	54.75	
Lettice R. Washburn,	45.50	
Nathan Wheaton,	66.56	
Charles F. Wing,	540.10	3,334.48

Miscellaneous :—

Geo. I. Aldrich, services and expenses,	25.00	
Almy & Hitch, bunting and labor,	9.85	
C. L. Dunham, stock and labor,	4.15	
C. A. Gray & Co., carting,	10.00	
T. M. Hart & Co., flags and repairs,	29.12	
George E. Hatch, use of stove,	3.00	
William E. Hatch, cash for disbursements,	155.25	
George W. Hillman, flags,	24.75	
William A. Jennings, carting,	26.75	
R. W. Taber, stationery and supplies,	57.84	345.71

\$4,018.73

CR.

December 6, 1897. By balance,	\$2,678.31	
Cash receipts as per Treasurer's report,	1,340.42	\$4,018.73

PUBLIC SCHOOLS—KINDERGARTEN.

Dr.

Pay Rolls :—

NORTH SCHOOL.

Florence L. Davis,	\$443.61	
Anna Hill,	528.75	\$972.36

SOUTH SCHOOL.

Josephine Cobb,	412.46	
Ethel S. Gibbs,	139.66	
Wilhelmina Humbert,	385.00	937.12

WEST SCHOOL.

Ada S. Blake,	418.06	
Ethel S. Gibbs,	19.20	
Alice E. Higham,	1.60	
Wilhelmina Humbert,	177.15	
Mary B. Pratt,	364.20	
Mary J. Read,	1.60	981.81

Miscellaneous :—

E. Anthony & Sons, cards,	5.25	
E. Boden, piano rent,	45.00	
City Mission, rent,	148.00	
W. H. Collins & Co., paper,	5.25	
J. L. Hammett & Co., supplies,	42.25	
Wilhelmina Humbert, laundry,	4.00	
James H. Nuttall, flags,	.60	
St. Martin's Church, rent,	204.00	454.35

December 5, 1898. To balance,

\$3,345.643,401.07\$6,746.71

Cr.

December 6, 1897. By balance,

\$6,746.71

Cr.

December 5, 1898. By balance,

\$3,401.07

PUBLIC SCHOOLS—GEORGE H. DUNBAR
SCHOOL.

DR.

City Coal Co., freight and carting,	\$1.70	
Geo. S. Perry & Co., table,	7.50	
R. A. Sherman, repairs,	3.73	
Martin H. Sullivan, table,	12.00	
Charles F. Wing, desk and matting,	27.75	\$52.68

CR.

December 6, 1897. By balance,	\$52.68
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DEPARTMENT OF WHARVES.

DR.

F. T. Akin & Co., carting,	\$2.50	
W. H. Caswell, painting,	2.53	
Commissioners of Sinking Funds,	1,040.00	
T. W. Croacher, lumber,	5.43	
Coggeshall, Maxfield & Co., labor,	1.00	
Joseph Donaghy, wharfinger commissions,	344.44	
C. L. Dunham, repairs,	19.18	
Greene & Wood, lumber,	166.40	
James B. Hamlin, spiles,	186.25	
Highways and Streets, stock, labor and carting,	498.32	
Geo. E. Kent, spile driving,	96.50	
F. W. Luscomb Machine Co., repairs,	3.04	
N. B. Cordage Co., cordage,	14.74	
E. B. Macy, blacksmithing,	158.32	
N. B. Water Works, metered water,	26.84	
A. W. Perkins, roofing,	43.37	
Public Debt, interest,	2,080.00	
John B. Sherman, stock and labor,	405.66	
R. W. Taber, stationery,	.50	
J. C. Warren, stock and labor,	3.35	\$5,098.37
December 5, 1898. To balance,		2,473.44
		\$7,571.81

CR.

December 6, 1897. By balance,	\$3,684.40	
By cash receipts as per Treasurer's report,	3,887.41	\$7,571.81

CR.

December 5, 1898. By balance,		\$2,473.44
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SALARIES.

Dr.

Charles S. Ashley, Mayor,	\$2,000.00
James H. Hathaway, City Treasurer and Collector of Taxes,	3,000.00
Daniel B. Leonard, City Clerk,	2,600.00
William S. Cook, Assistant City Clerk,	100.00
George W. Parker, City Auditor,	473.71
Charles J. McGurk, City Auditor,	933.31
Thomas F. Desmond, City Solicitor,	625.00
Benj. B. Barney, City Solicitor,	875.00
John N. O'Brien, Sealer Weights and Measures,	562.00
Board of Assessors :	
Chas. D. Tuell,	1,125.00
Chas. H. L. Delano,	1,375 00
Chas. F. Shaw,	1,008.34
H. A. Gifford, Jr.,	91.66
Wm. A. Mackie, Clerk of Common Council,	300.00
A. D. Piper, City Messenger,	800.00
Othello S. Driskell, City Bell Ringer,	125.00
W. R. Townsend, Supt. City Clock,	51.25
Wm. B. Wood, Supt. City Clock,	43.75
Chas. H. Cragen, Harbor Master,	300.00
D. C. Ashley, Inspector of Cattle, Meat, Milk and Provisions,	1,200.00
Edmund O'Keefe, Inspector of Buildings,	1,800.00
Daniel D. Briggs, Supervisor of Wires,	300.00
Board of Health :	
T. W. Cook,	500.00
Wm. G. Kirschbaum,	500.00
John T. Bullard,	408.71
E. E. Waite,	91.29
Board of Registrars :	
Willard N. Lane,	400.00
John A. Gomley,	333.33
Daniel B. Leonard,	300.00
Emanuel Sullavou,	204.17
Edwin A. Douglass,	129.16
Board of Aldermen :	
Henry P. Jenney,	100.00
Louis Z. Normandin,	91.67
Charles H. Lawton,	91.67

Charles H. Brownell,	\$91.67	
Manuel V. Sylvia,	100.00	
Charles E. Ellis,	91.67	
Geo. A. Hough,	8.33	
Samuel C. Hunt,	8.33	
Henry C. Denison,	8.33	
Samuel E. Bentley,	8.33	
License Commissioners :		
John J. Howland,	300.00	
Frank M. Sparrow,	300.00	
Benj. B. Barney,	125.00	
Stephen D. Peirce,	175.00	\$24,035.68

CR.

By Appropriation,	19,223.00	
By special appropriation,	4,742.00	
Transfer to balance,	70.68	\$24,035.68

SEWERS, GENERAL ACCOUNT.

DR.

Pay rolls,		\$11,819.54
Sewer rebates :		
J. B. Dion,	\$ 10.00	
Bridget H. Farrell,	10.00	
T. Franklin Gay,	3.55	
James Gleason,	6.22	
Prospect Street Sewer, No. 3,	436.50	466.27
Miscellaneous :		
Acushnet Iron Co., castings,	103.35	
Edwin Allen, express,	.50	
E. Anthony & Sons, printing,	5.99	
Babbitt, Wood & Co., gauges,	1.00	
William Baylies, bags,	1.30	
Bliss & Nye, pails,	1.25	
Briggs & Lawrence, curtain repairs,	2.40	
Brownell, Ashley & Co., labor,	.43	
R. E. Camfill, medical services,	8.00	
C. W. Coggeshall, shieves,	2.00	
W. H. Collins & Co., pads,	.60	
S. H. Cook & Co., boiler insurance,	100.00	
De Wolf & Vincent, hardware and tools,	73.54	
David Duff & Son, coal,	33.97	
Dunn Mfg. Co., braces and bolts,	13.20	
David H. Dyer, boiler inspection,	8.00	
Edson Mfg. Co., pump repairs,	16.86	
Fairhaven Iron Foundry, patterns and castings,	209.80	
Fichtenmayer & Flynn, repairs,	.50	
Charles A. Gray, Jr., dynamite and exploders,	438.18	
Greene & Wood, lumber and carting,	8.63	
F. Hamel, plumbing,	.60	
James B. Hamlin, timber,	34.26	
George E. Hatch, dippers,	3.00	
Hatch & Co., express,	.85	
Wm. G. Hayden, stock and labor,	2.78	
John C. Hellyer, plumbing,	1.10	
Highways and Streets, stock, labor and teaming,	4,108.62	
Hillman, Washburn & Co., tools,	7.50	

Ingersoll Serjeant Drill Co., supplies and repairs,	\$393.82	
P. P. Jenney & Son, filing saws,	.50	
S. C. Lowe, tools,	107.20	
John McCullough, canvas,	3.36	
T. J. Moriarity, glazing,	.80	
N. B. Boiler & Machine Co., stock and labor,	4.75	
N. B. Cordage Co., cordage,	21.50	
N. B. Water Works, water,	86.50	
N. Y., N. H. & H. R. R. Co., freight,	3.33	
S. S. Paine & Bro., brick and cement,	1,881.97	
Charles S. Paisler, brick and pipe,	2,193.29	
E. H. Peirce, wrench,	2.25	
George D. Richards, dusters,	1.05	
George P. Richardson, trench brush,	66.00	
C. R. Sherman, dynamo and fitting,	7.00	
Frank C. Smith, plumbing,	1.50	
So. Mass. Telephone Co., toll,	.39	
M. V. Sylvia, medical services,	10.00	
R. W. Taber, ledger,	8.50	
Frank S. Tripp, stock and labor,	3.10	
Wood, Brightman & Co., tools and supplies,	45.56	\$10,030.58
		<u>\$22,316.39</u>

 CR.

By appropriation,	\$16,000.00	
By transfer from unappropriated funds,	5,423.51	
Transfer to balance,	892.88	\$22,316.39

SEWER, ASHLAND PLACE AND LINDEN COURT.

 DR.

Pay rolls,		\$374.25
General Sewers,	\$124.99	
Highways and Streets,	33.57	
E. & K. C. Terry, lumber,	8.02	166.58
Transfer to balance,		459.17
		<u>\$1,000.00</u>

 CR.

By special appropriation,	<u>\$1,000.00</u>
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SEWER, BLACKMER STREET, ENLARGEMENT.

DR.

Pay rolls :		\$961.64
General Sewers,	\$201.59	
C. A. Gray, Jr., dynamite,	24.18	
Highways and Streets,	222.44	
P. P. Jenney & Son, filing saws,	.50	
N. B. Water Works, labor,	2.25	
S. S. Paine & Bro., pipe and cement,	602.06	
G. P. Richardson, brush,	6.00	1,059.02
Transfer to balance,		979.34
		\$3,000.00

CR.

By transfer from sewer, Grape Street,		\$3,000.00
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SEWER, BEECH STREET.

DR.

Pay rolls :		\$219.72
General Sewers,	\$62.99	
Highways and Streets,	21.91	
S. S. Paine, cement,	4.98	89.88
By transfer to balance,		190.40
		\$500.00

CR.

By transfer from sewer, Grape Street,		\$500.00
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SEWER, CLINTON STREET, No. 3.

DR.

General sewers,	\$72.22	
Highways and streets,	12.80	
Transfer to balance,	376.24	\$461.26

CR.

December 6, 1897. By balance	\$461.26
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SEWER, FLORENCE STREET, LOWERED.

DR.

Pay rolls,		\$1,501.93
William Baylies, bags,	\$2.00	
Thomas W. Croacher, lumber,	16.69	
General sewers,	106.05	
Highways and streets,	123.23	
P. P. Jenney & Son, filing saws,	.25	
S. C. Lowe, labor and stock,	1.40	
S. S. Paine & Bro., pipe and cement,	46.98	
E. & K. C. Terry, lumber,	8.19	304.79
Transfer to balance,		693.28
		<u>\$2,500.00</u>

CR.

By special appropriation,	\$2,500.00
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SEWER, GRAPE STREET, EXTENSION.

DR.

Pay rolls,		\$6,966.97
T. S. Corson, coal,	\$27.71	
DeWolf & Vincent, tools and hardware,	9.60	
D. Duff & Son, teaming and coal,	240.47	
C. A. Gray, Jr., dynamite,	169.87	
Greene & Wood, lumber and carting,	407.59	
N. P. Hayes, nails and tools,	8.63	
Highways and streets,	345.74	
N. B. Cordage Co., filling,	7.26	
P. P. Jenney & Son, fitting saws,	5.25	
John McCullough, canvas,	69.20	
S. S. Paine & Bro., pipe and cement,	426.49	
C. S. Paisler, brick,	2,048.00	
C. G. & G. A. Randall, lumber and carting,	217.93	
Geo. P. Richardson, brush,	12.00	
G. H. Spooner & Bro., posts,	6.80	
Wilson & Wordell, wheelbarrows,	24.00	4,026.54
Transfer to sewer, Blackmer street,	3,000.00	
" " " Beech street,	500.00	
" " " Hathaway and Front streets,	3,600.00	
" " " Morgan's lane,	450.00	7,550.00
Transfer to balance,		1,641.49
		\$20,185.00

CR.

By special appropriation,	\$20,185.00
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SEWER, GRIT STREET.

DR.

To transfer to sewer, Hillman street and Rockdale Avenue,	\$7.75	
To transfer to balance,	20.16	\$27.91

CR.

December 6, 1897. By balance,	\$27.91
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SEWER, HATHAWAY AND FRONT STREETS.

DR.

Pay rolls,		\$1,351.44
T. S. Corson, coal,	\$5.00	
General sewers,	178.99	
C. A. Gray, Jr., wire,	3.00	
Highways and streets,	157.96	
S. S. Paine & Bro., pipe, cement and brick,	95.35	440.30
Transfer to balance,		1,808.26
		<u>\$3,600.00</u>

CR.

By transfer from sewer, Grape Street,	<u>\$3,600.00</u>
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SEWER, HAZARD STREET, No. 2.

DR.

General sewers,	\$11.94	
Highways and streets,	3.50	\$15.44
Transfer to balance,		37.31
		<u>\$52.75</u>

CR.

December, 6, 1897. By balance,	<u>\$52.75</u>
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SEWER. HILLMAN STREET AND ROCKDALE AVENUE.

DR.

Pay rolls,		\$1,112.69
General sewers,	\$308.04	
Highways and streets,	87.02	395.06
		<u>\$1,507.75</u>

CR.

By special appropriation,	\$1,500.00	
By transfer from sewer, Grit street,	7.75	\$1,507.75

SEWER, MIDDLE STREET, No. 6.

DR.

General sewers,	\$102.62	
Highways and streets,	7.06	\$109.68
Transfer to balance,		40.32
		<u>\$150.00</u>

CR.

By special appropriation,		\$150.00
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SEWER, MORGAN'S LANE, SOUTH WATER TO SECOND STREET.

DR.

Pay rolls,		\$375.86
General sewers,	\$104.58	
Highways and streets,	63.49	
S. S. Paine & Bro.,	2.49	170.56
		<u>\$546.42</u>

CR.

By transfer from sewer, Grape street,	\$450.00	
Transfer to balance,	96.42	\$546.42

SEWER, MORGAN AND LINDSEY STREETS.

DR.

Pay rolls,		\$128.40
General sewers,	\$51.92	
Highways and streets,	15.56	67.48
Transfer to balance,		54.12
		<u>\$250.00</u>

CR.

By special appropriation,	<u>\$250.00</u>
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SEWER, PLEASANT STREET, No. 4.

DR.

Pay rolls,		\$194.73
General sewers,	\$42.65	
Highways and streets,	23.16	
C. L. Dunham,	.90	66.71
Transfer to balance,		38.56
		<u>\$300.00</u>

CR.

By special appropriation,	<u>\$300.00</u>
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SEWER, PROSPECT STREET, No. 3.

DR.

Pay rolls,		\$557.65
General sewers,	\$9.98	
Highways and streets,	139.84	
D. Duff & Son, coal,	11.40	
Greene & Wood, lumber,	2.53	
N. B. Water Works, labor,	12.25	176.00
		<u>\$733.65</u>

CR.

Cash receipts as per Treasurer's report,	\$436.50	
By transfer from unappropriated funds,	297.15	\$733.65
		<u>\$733.65</u>

SEWER, TALLMAN STREET.

DR.

Pay rolls,		\$1,255.96
General sewers,	\$318.66	
Highways and streets,	171.15	
C. A. Gray, Jr., dynamite,	39.40	
P. P. Jenney & Son, filing saws,	1.00	
N. B. Water Works, supplies,	22.64	
E. & K. C. Terry, lumber,	51.35	604.20
Transfer to balance,		32.31
		<u>\$1,892.47</u>

CR.

December 6, 1897. By balance,	\$1,809.80	
By transfers from unappropriated funds,	82.67	\$1,892.47
		<u>\$1,892.47</u>

SEWER, TRINITY STREET.

DR.

Pay rolls,		\$104.40
General sewers,	\$65.74	
Highways and streets,	10.11	75.85
Transfer to balance,		319.75
		\$500.00

CR.

By special appropriation,		\$500.00
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SEWER, WAMSUTTA AND MERRIMAC
STREETS.

DR.

Highways and streets,	\$28.29	
N. B. Water Works, labor and supplies,	8.94	
N. Y., N. H. & H. R. R., stock and labor,	3.86	\$41.09

CR.

By transfer from unappropriated funds,		\$41.09
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PUBLIC DEBT.

DR.

Principal (bonds) paid,	\$39,000.00	
Interest on bonds,	148,712.50	
Interest on trust funds,	6,786.00	\$194,498.50
Transfer to unappropriated funds,		1,270.50
December 5, 1898. To balance,		5,030.00
		<u>\$200,799.00</u>

CR.

By appropriation,	\$158,719.00	
Cash receipts as per Treasurer's report,	42,080.00	\$200,799.00

CR.

December 5, 1898. By balance,	\$5,030.00
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REAL ESTATE TAX ACCOUNT.

DR.

December 6, 1897. To balance,	\$699.50
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CR.

By cash receipts as per Treasurer's report,	\$90.06	
December, 5, 1898. To balance,	609.44	\$699.50

DR.

December 5, 1898. To balance,	\$609.44
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1898.

AUDITOR'S REPORT.

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SINKING FUNDS.

DR.

Sinking Fund Commission,

\$90,400.00

CR.

By appropriation,

\$90,400.00

TEMPORARY LOAN.

DR.

To loans paid,

\$500,000.00

December 5, 1898. To balance,

275,000.00

\$775,000.00

CR.

Cash receipts, as per Treasurer's report,

\$775,000.00

CR.

December 5, 1898. By balance,

\$275,000.00

TRUST FUNDS.

CR.

BY SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY
FUND:

One-half of the bequest of Sylvia Ann Howland
for the support of liberal education and Free
Public Library, \$50,000.00

BY SYLVIA ANN HOWLAND EDUCATIONAL FUND:

One-half of the bequest of Sylvia Ann Howland
for the support of liberal education and Free
Public Library, 50,000.00

BY GEORGE HOWLAND, JR., FUND:

Donation to Free Public Library, 1,600.00

BY CHARLES W. MORGAN FUND:

Bequest to Free Public Library, 1,000.00

BY OLIVER CROCKER FUND:

Bequest to Free Public Library, 1,000.00

BY JAMES B. CONGDON FUND:

Donation to Free Public Library, 500.00

BY JONATHAN BOURNE PRIZE FUND:

Donation to School Committee, 1,000.00

BY GEORGE O. CROCKER FUND:

Bequest to Free Public Library, 10,000.00

BY ELIZABETH T. WOOD:

Bequest to Free Public Library, 2,000.00

\$117,100.00

UNAPPROPRIATED FUNDS.

DR.

To transfers to—

Appropriations, general, 1893,	\$14,843.17	
“ “ special, 1898,	72,026.56	
“ “ “ 1897,	69.94	
Armories and military property,	600.00	
Board of Health,	1,108.23	
Brock avenue school,	803.03	
City property,	1,000.00	
Com. of Mass., Chap. 279 of 1896,	315.00	
“ “ “ “ 447 of 1890,	2,087.73	
Court judgments,	909.61	
Election funds,	4,950.00	
Engineering department,	300.00	
Free Public Library,	1,681.48	
Highways and streets,	16,770.22	
Incidentals,	5,835.38	
Land damages, layout of Bonney street,	300.00	
Land damages, widening Purchase street, No. 5,	38,178.75	
License commission,	440.00	
N. B. and Fairhaven bridge,	500.00	
Park commission,	510.55	
Pingree system,	1,000.00	
Police department,	3,565.06	
Poor department,	4,000.00	
Salaries,	70.68	
Schools, incidentals,	3,000.41	
Schools, pay of teachers,	254.61	
Sewers, general account,	6,316.39	
Sewer, Morgan's lane,	96.42	
Sewer, Prospect street, No. 3,	297.15	
Sewer, Tallman street,	82.67	
Sewers, Wamsutta and Merrimac streets,	41.09	\$181,954.13

CR.

By cash receipts, as per Treasurer's report,	\$169,412.51	
Balance of transfers,	12,541.62	\$181,954.13

BALANCE OF PUBLIC PROPERTY.

DR.

To bonds issued,	\$189,000.00	
December 5, 1898. To balance,	323,174.00	\$512,174.00

CR.

December 6, 1897. By balance,	\$219,926.33	
Bonds paid,	39,000.00	
Public property,	132,445.39	
Sinking fund commissioners,	120,802.28	\$512,174.00

CR.

December 5, 1898. By balance,	\$323,174.00
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PUBLIC PROPERTY.

(OTHER THAN WATER WORKS.)

December 5, 1898. To balance,	\$1,998,717.68	
Increase in valuation over 1897,	132,445.39	\$2,131,163.07

NEW BEDFORD WATER WORKS.

(AS PUBLIC PROPERTY.)

December 5, 1898. Valuation of works,	\$1,200,000.00	
Valuation of works for further supply,	1,205,765.00	\$2,405,765.00

SINKING FUND COMMISSIONERS.

December 6, 1898. To balance,	\$529,208.65	
Increase in hands of Commissioners since 1897,	120,802.28	<u>\$650,010.93</u>

BONDS.

DR.

To bonds paid,	\$39,000.00	
December 5, 1898. To balance,	3,558,000.00	<u>\$3,597,000.00</u>

CR.

December 6, 1897. By balance,	\$3,408,000.00	
By bonds issued,	189,000.00	<u>\$3,597,000.00</u>

CR.

December 5, 1898. By balance,	<u>\$3,558,000.00</u>
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BONDS OF THE CITY OF NEW BEDFORD. TITLES, RATES, AMOUNTS DUE ANNUALLY AND TOTALS.

Due.	Water 7s.	Water 6s.	Water 5s.	Water 4s.	Improve- ment 6s.	Improve- ment 4s.	Improve- ment 3½s.	Sch. house and other public buildings 4s.	Sch. house and other public buildings 3½s.	Sewer 4s.	Sewer 3½s.	Park Loan 4s	Wharf.
1899		\$20,000			\$10,000	\$62,000							
1900	\$10,000		\$20,000		10,000	25,000							
1901	10,000		20,000		10,000	73,000							
1902	10,000		20,000		10,000	50,000							
1903	10,000		20,000		10,000	162,000							
1904	10,000		20,000		10,000	113,000							
1905	10,000	20,000			10,000						\$60,000		
1906	10,000	20,000			10,000	172,000					15,000		
1907	10,000	20,080			10,000		\$62,000			\$35,000			
1908	10,000	20,000			10,000					43,000			
1909	10,000	20,000			12,000					48,000			
1910		20,000			28,000					57,000			
1911										100,000			
1912										108,000			
1913										32,000			
1914													
1917								\$128,000	\$92,000				
1918													
1924				\$20,000						58,000			
1925				320,000									
1926				400,000									
1927				600,000						69,000			
1928											35,000	\$100,000	\$52,000
1942													
	\$100,000	\$120,000	\$100,000	\$1,340,000	\$140,000	\$657,000	\$62,000	\$128,000	\$92,000	\$550,000	\$110,000	\$100,000	\$52,000

Outstanding and over due bonds unrepresented and unpaid,

1894. Improvement 6s, \$1,000.00
 1898. Water 6s, 1,000.00
 1898. Improvement 6s, 5,000.00
 \$7,000.00

Total Bonded Debt, \$3,558,000.00.

INTEREST PAYABLE IN 1899 ON PRESENT
BONDED DEBT.

On \$100,000 Water bonds, at 7 per cent.,	\$7,000
120,000 Water bonds, at 6 per cent.,	7,200
100,000 Water bonds, at 5 per cent.,	5,000
1,340,000 Water bonds, at 4 per cent.,	53,600
140,000 Improvement bonds, at 6 per cent.,	8,400
62,000 Improvement bonds, at 4 per cent., 3 mos.,	1,240
595,000 Improvement bonds, at 4 per cent.,	23,800
62,000 Improvement bonds, at 3½ per cent.,	2,170
128,000 Schoolhouse bonds, at 4 per cent.,	5,120
92,000 Schoolhouse bonds, at 3½ per cent.,	3,220
550,000 Sewer bonds, at 4 per cent.,	22,000
110,000 Sewer bonds, at 3½ per cent.,	3,850
100,000 Park bonds, at 4 per cent.,	4,000
52,000 Wharf bonds, at 4 per cent.,	2,080
\$3,551,000	\$148,680

THE FOLLOWING TABLE SHOWS THE AMOUNT OF TAXES LEVIED IN THIS CITY SINCE 1879, AND
 THE RATE PER THOUSAND, FOR STATE, COUNTY AND CITY PURPOSES;
 ALSO, THE NUMBER OF POLLS.

Year.	Valuation of Real Estate.	Valuation of Personal Property.	State Tax.	County Tax.	City Tax.	Overlay.	No. of Polls.	Rate of Tax.
1879	\$12,898,300	\$12,874,418.00	\$7,290	\$25,666.72	\$386,000	\$17,497.36	6,891	\$16.40
1880	13,138,400	13,137,519.00	21,870	28,377.03	361,250	15,080.89	7,028	15.70
1881	13,505,400	13,699,922.00	21,870	26,871.30	437,300	16,084.49	7,025	18.00
1882	14,138,300	13,974,587.00	29,160	25,689.88	434,200	17,605.64	7,340	17.50
1883	15,109,300	15,180,305.00	25,770	29,468.95	452,400	16,614.41	7,694	16.80
1884	15,635,900	15,718,182.00	34,360	26,668.72	462,700	13,031.04	8,141	16.60
1885	16,293,800	15,104,090.00	27,770	27,735.50	457,950	17,028.11	8,349	16.30
1886	16,778,900	15,416,695.50	27,015	33,883.77	456,300	15,328.18	8,699	16.00
1887	17,372,600	15,309,658.00	40,522½	38,485.28	489,700	18,075.50	9,056	17.40
1888	18,023,700	15,430,647.00	40,522½	41,274.10	486,411	19,364.29	9,424	17.00
1889	18,928,800	15,718,866.00	34,700	51,476.17	508,600	17,642.91	9,972	17.10
1890	20,041,700	16,829,154.00	30,362½	50,632.30	519,300	22,120.12	10,710	16.30
1891	20,959,300	17,559,643.00	26,025	47,819.40	550,200	26,134.37	11,160	16.30
1892	22,094,300	18,179,813.00	31,377	51,410.26	606,700	27,976.39	11,861	17.30
1893	25,344,300	19,130,798.00	44,825	57,699.11	673,689	28,077.05	12,988	17.50
1894	31,835,500	19,599,425.00	35,860	67,796.46	699,176	25,711.57	13,080	15.60
1895	31,984,150	20,658,600.00	30,915	78,760.33	698,545	31,077.76	14,300	15.40
1896	33,920,700	22,360,417.00	36,067½	85,061.14	745,800	30,750.56	15,475	15.40
1897	35,595,800	22,575,978.00	36,067½	63,008.25	840,239	34,002.38	15,467	16.20
1898	35,871,525	21,480,601.00	31,905	115,007.51	943,251	41,693.30	15,348	19.20

Average tax rate for twenty years, \$16.70.

CITY OF NEW BEDFORD,
IN COMMITTEE, MARCH 9, 1899.

The sub-committee appointed to appraise the city property and prepare a schedule of the same, have attended to that duty and submit the following report.

Poor Department :

Almshouse, out buildings and 12,407 rods of land,	\$98,035.00	
Furniture in almshouse,	2,750.00	
Farming and mechanics tools,	450.00	
Tedders, horse rakes, manure spreader, etc.,	360.00	
Carts, gears, lumber wagons, etc.,	1,389.00	
Ambulance,	175.00	
Horses, oxen, cows, hogs and poultry,	1,562.50	
Hay, grain, vegetables, pork, etc.,	2,250.00	
Wood and coal shed, corner North and Second streets,	3,000.00	
Wood and coal in shed,	75.00	\$110,046.50

Board of Health :

Smallpox hospital,	1,000.00	
Old almshouse and out buildings,	1,500.00	
Furniture in hospital,	70.00	2,570.00

Highways and streets department :

Sundries, as per inventory,	35,026.44
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Sewers department :

Sundries, as per inventory,	15,436.48
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Engineering department :

Sundries, as per inventory,	2,200.00
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Street light department :

Gas and naphtha lamp posts,	5,450.00
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Tools for inspector of petroleum,	50.00
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Public buildings, land, etc.,

City hall and lot,	141,466.00
City library building and lot,	131,839.00
City common,	85,000.00
Rural cemetery,	132,517.00

Oak grove cemetery,	\$40,831.00	
Pine grove cemetery,	800.00	
Central police station and lot,	15,700.00	
Police station and lot, Kempton and Cedar streets,	22,603.00	
Police station and lot, Willis street,	3,043.00	
Police station, Mill street,	100.00	
Police station and lot, Water and Blackmer streets,	13,504.00	
Police station and lot, Bowditch and Weld streets,	12,158.00	
Police signal barn and lot,	4,368.00	
Police telegraph signal system, including horses, wagons and apparatus,	9,550.00	
Volumes in city library,	57,000.00	
South pound lot,	800.00	
Ward room and lot, Fifth ward,	1,400.00	
Ward room and lot, Briggs and Rivet streets,	2,350.00	
Standard weights and measures,	300.00	
Two brass field pieces,	1,300.00	
City stable, lot and buildings,	45,400.00	
Brooklawn park,	31,450.00	
Buttonwood park,	32,655.00	
Grove park,	8,826.00	
Triangle park,	600.00	
Rifle range, Tarkiln Hill,	2,000.00	
Building and lot, corner High and Foster streets,	2,000.00	
Receiving tomb, Rural cemetery,	5,267.00	
Schoolhouse lot, Shawmut avenue and Maitland streets,	2,956.84	
Gravel lot, Hillman, Lindsey and North streets,	6,764.00	
Engine house lot, Kempton and Reed streets,	2,257.00	
Lot of land, Kempton street and Rockdale avenue,	113.50	
Old burying ground South Second street,	9,586.00	
Lot of land foot of Howland street,	4,500.00	
Schoolhouse lot, Coggeshall and Bowditch streets,	12,610.00	\$843,614.34
School department:		
Acushnet avenue schoolhouse and lot,	49,966.00	
Acushnet schoolhouse and lot,	7,500.00	

Cannonville schoolhouse and lot,	\$1,665.00	
Cedar street " " "	7,063.00	
Cedar Grove St. " " "	35,932.00	
Brock avenue " " "	44,977.63	
Clark street " " "	37,847.00	
Dartmouth street " " "	17,106.00	
Dunbar street " " "	45,037.68	
Division street " " "	33,875.00	
Fifth street " " "	35,898.00	
Harrington " " "	54,503.00	
High " " "	113,388.00	
Kempton street " " "	65,100.00	
Linden street " " "	2,684.00	
Madison street " " "	60,089.00	
Maxfield street " " "	25,068.00	
Merrimac street " " "	18,113.00	
Middle street " " "	35,035.00	
North, Tobey Rd. " " "	2,000.00	
Parker street " " "	50,226.00	
Phillips avenue and Bowditch street schoolhouse and lot,	47,561.00	
Plainville schoolhouse and lot,	1,000.00	
Rockdale " " "	1,254.00	
William street " " "	5,191.00	
Thompson St. " " "	37,875.00	
Truant schoolhouse,	1,500.00	\$837,454.31

Fire department :

Engine house and lot, Acushnet avenue,	1,200.00
" " " " "	
and Davis street,	26,410.00
Engine house and lot, Hillman street,	33,570.00
" " " Purchase St. No. 1,	13,590.00
" " " " " " 2,	21,220.00
" " " Fourth street,	13,000.00
" " " Bedford "	16,009.00
" " " Durfee "	16,966.00
Steam fire engine, No. 1,	3,000.00
" " No. 2,	3,000.00
" " No. 4,	3,000.00
" " No. 5,	3,500.00
" " No. 6,	3,000.00
" " No. 7,	3,300.00
" " No. 8,	3,500.00
" " Spare,	3,500.00
Chemical wagon,	1,750.00

Nine hose carriages,	\$3,800.00	
Hand engine No. 9,	500.00	
Hayes truck No. 1,	3,200.00	
“ “ No. 2,	3,000.00	
“ “ No. 3,	3,000.00	
Ryan truck,	1,200.00	
Eighteen thousand feet of hose,	9,000.00	
Ten wagons,	3,000.00	
Forty-three horses and harnesses,	8,600.00	
Fire alarm telegraph including bells, strikers, etc.,	20,000.00	
Sundries,	2,500.00	\$227,315.00
Department of Wharves :		
Rotch's wharf,	22,000.00	
Taber's wharf,	30,000.00	52,000.00
New Bedford Water Works, further water supply, unfinished,		1,205,765.00
		\$3,336,928.07
New Bedford Water Works,		1,200,000.00
		\$4,536,928.07

RECAPITULATION.

Poor department,	\$110,046.50	
Board of Health,	2,570.00	
Highways and streets department,	35,026.44	
Sewers department,	15,436.48	
Engineering department,	2,200.00	
Street light department,	5,500.00	
Public buildings, land, etc.,	843,614.34	
School department,	837,454.31	
Fire department,	227,315.00	
Department of wharves,	52,000.00	
New Bedford Water Works, further water supply,	1,205,765.00	
New Bedford Water Works,	1,200,000.00	
		\$4,536,928.07

Respectfully submitted,

JOHN WELCH,

CHARLES M. DAVENPORT,

ERNEST O. FINDEISEN,

Committee.

AUDITOR'S TRIAL BALANCE.

DECEMBER 5, 1898.

DR.

New Bedford Water Works, as public property,	\$2,405,765.00	
Public property other than Water Works,	2,131,163.07	
Sinking Fund Commissioners,	650,010.93	
Appropriations, general, 1898,	71,373.49	
“ “ 1897,	30,845.74	
“ “ 1896,	25,522.45	
“ “ 1895,	17,197.36	
“ “ 1894,	21,646.01	
“ special, 1898,	232,484.38	
Commonwealth of Mass., chap. 164 of 1897,	280.00	
“ “ “ 279 of 1894,	919.61	
“ “ “ 301 of 1894,	9,495.03	
“ “ “ 561 of 1898,	488.00	
Real estate tax account,	609.44	
City Treasurer, balance of cash,	75,971.60	\$5,673,772.11

CR.

Trust funds,	\$117,100.00
Bonds,	3,558,000.00
Balance of public property,	323,174.00
Cemeteries, sale of lots,	1,725.10
Cemetery funds, .	26,734.93
Almshouse changes and alterations,	1,139.79
Brock avenue schoolhouse, heating, etc.,	500.00
Engineering Dept., grade crossings,	357.90
Free Public Library, dog fund,	315.03
“ “ reading room fund,	1,373.15

Free Public Library Trustees :

James B. Congdon fund,	57.69
George O. Crocker fund,	402.15
Oliver Crocker fund,	.22
George Howland, Jr. fund,	96.68
Sylvia Ann Howland fund,	158.60
Charles W. Morgan fund,	57.84
Charles L. Wood fund,	10.15

Land damages, Purchase street, No. 3,	\$1,491.07	
“ “ “ “ No. 4,	1,282.17	
“ “ “ “ No. 5,	2,703.33	
N. B. School Committee, Howland fund,	49.63	
N. B. Water Works,	35,840.11	
“ “ “ further water supply,	109,533.06	
Public schools, kindergartens,	3,401.07	
Department of wharves,	2,473.44	
Public Debt,	5,030.00	
Temporary loan,	275,000.00	
N. B. Water Works, further water supply,		
value of works, balance public property,	1,205,765.00	\$5,673,772.11

We have examined the foregoing and find it correct.

CHAS. H. LAWTON,
W. E. SMITH,

Sub-committee of the Committee on Finance, appointed to examine the books and accounts of the Treasurer and Auditor.

Approved :

HENRY P. JENNEY,
CHAS. H. BROWNELL,
SAMUEL HIGHAM,
EDW. F. PENNEY,
W. E. SMITH,

Committee on Audit.

CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,

April 27, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

4 mo. 27, 1899.

Concurred.

WM. A. MACKIE,

Clerk.

Annual Report

OF THE

COLLECTOR OF TAXES

For the Year 1898.

STATEMENT

OF THE

COLLECTOR OF TAXES.

CITY OF NEW BEDFORD, MASS.,
COLLECTOR'S OFFICE.

December 5, 1898.

To the City Council of the City of New Bedford,

GENTLEMEN :—Herewith I present to you my account as Collector of Taxes of the City of New Bedford for the year ending at this date.

STATEMENT FROM 1894 TO 1897 INCLUSIVE.

YEAR.	UNPAID DEC. 5, 1897.	PAID AND REMITTED.	UNPAID DEC. 6, 1898.
1894	\$13,294.34	\$835.46	\$12,458.88
1895	16,138.77	1,876.73	14,262.04
1896	29,633.56	10,576.84	19,056.72
1897	43,860.75	15,323.49	28,537.26
1897 add'l	5,294.72	415.56	4,879.16
	\$108,222.14	\$29,028.08	\$79,194.06

TAXES FOR 1898.

CHARGES.

State tax,	\$31,905.00	
County tax,	115,007.51	
City tax,	943,251.00	
Overlay,	41,693.31	\$1,131,856.82

PAYMENTS.

Paid State Treasurer, State Tax,	\$31,905.00	
Paid County Treasurer, County Tax,	115,007.51	
Paid City Treasurer, City Tax,	851,877.51	
Abatements by the Assessors. net,	8,683.48	
Discount, 5 per cent.,	51,593.42	
Balance, unpaid taxes Dec. 5, 1898,	72,789.90	\$1,131,856.82

At this time $.6\frac{44}{100}$ per cent. of the taxes of 1898 remain unpaid, or \$28,929.15 more than in 1897 at this date.

The receipts under the discount of five per cent. from September 15 to October 15, inclusive, were as follows:—

Gross receipts other than bank taxes,	\$996,249.75	
Gross receipts for bank taxes,	78,643.20	\$1,074,892.95
Discount, 5 per cent.,		53,714.78
Net receipts under the discount,		\$1,021,178.17

This includes the state, county and city taxes, together with the amount of bank taxes due to the State of Massachusetts.

The receipts in 1898 for corporation and other taxes from the Commonwealth of Massachusetts were as follows:—

Corporation taxes 1898,	\$46,390.97	
Corporation taxes 1897,	102.01	
National Bank taxes, non-resident shares,	2,020.66	
Taxes on ships in foreign trade,	595.07	\$49,108.71

This sum was disposed of in the following manner, viz:—\$20,000, was applied, by order of the City Council to the discount on taxes of 1898, the balance was placed to the credit of Unappropriated Funds, as shown by the Treasurer's report which follows.

New Bedford's portion of the County Tax in 1898 was \$51,999.26 more than in 1897, about $4\frac{5}{10}$ per cent. of the tax levy for the year.

If the city continues to allow the usual discount on taxes paid each year between September 15 and October 15, it will be necessary for the City Council to make larger appropriations for this purpose from

the Corporation taxes, as the overlay made by the assessors, together with the usual appropriations by the City Council have not been sufficient to provide for the general appropriations, no provision being made for taxes that are uncollectable, as shown by statements which follow :

Overlay allowed by assessors, taxes 1898,	\$41,693.31	
Appropriation for discount,	20,000.00	\$61,693.50
Discount on taxes paid in 1898,	<u>\$51,593.42</u>	
Abatements by assessors, net,	8,693.48	60,276.90
Excess,		<u>\$1,416.60</u>

That is, if the unpaid taxes of 1898 amount to \$10,000, we have but \$1,416.60 to offset that sum. Of the poll taxes of 1898, the Deputy Tax Collectors returned at least 2400, the persons taxed having left the city.

Overlay for 1897 and appropriations for discount,	\$54,002.38
Discount and abatements,	<u>51,432.70</u>
Excess,	<u>\$2,569.68</u>

The latter named amount will not be sufficient to provide for the unpaid taxes for 1897.

In my opinion, if the discount on taxes should be discontinued, the city would be able to collect as closely as heretofore, at the same time the overlay could be made smaller and the amount received from the State for Corporation taxes, now appropriated for the discount be used for other purposes.

I therefore take the liberty to recommend to the City Council, that the discount on taxes paid in the future between September 15 and October 15 be at once done away with, and that on and after October 16 each year, interest at the rate of 6 per cent. per annum be charged to all delinquents.

Respectfully submitted,

JAMES H. HATHAWAY,

Collector of Taxes.

We have examined the foregoing and find it correct.

CHAS. H. LAWTON,
W. E. SMITH,

Sub-committee of the Committee on Finance, appointed to examine the books and accounts of the Auditor, Treasurer and Collector of Taxes.

Annual Report

OF THE

CITY TREASURER

FOR THE YEAR 1898.

REPORT.

CITY OF NEW BEDFORD, MASS.,
TREASURER'S OFFICE,

December 5, 1898.

To the City Council of the City of New Bedford,

GENTLEMEN :—As required by the Ordinances of the City, I herewith present a statement of my accounts as City Treasurer for the financial year ending at this date.

Very respectfully,

JAMES H. HATHAWAY,

City Treasurer.

RECEIPTS.

INCLUDING BALANCE DECEMBER 6, 1897.

Balance,		\$144,252.41
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APPROPRIATIONS GENERAL, 1898.

From Collector, taxes under discount,	\$833,959.84	
From Collector, since October 15,	17,917.67	
From State Treasurer, part of corporation taxes, order of Council,	20,000.00	871,877.51

APPROPRIATIONS GENERAL, 1897.

From Collector, taxes 1897,		14,005.14
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APPROPRIATIONS GENERAL, 1896.

From Collector, taxes 1896,		7,766.55
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APPROPRIATIONS GENERAL, 1895.

From Collector, taxes 1895,		306.12
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APPROPRIATIONS GENERAL, 1894.

From Collector, taxes 1894,		12.24
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APPROPRIATIONS GENERAL, 1893.

From Collector, taxes 1893,		10.00
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APPROPRIATIONS SPECIAL, 1897.

From sale of Improvement Bonds,	\$62,000.00	
From sale of School House Bonds,	92,000.00	
From sale of Sewer Bonds,	35,000.00	
From County of Bristol, moving bridge,	9,850.00	198,850.00

ARMORIES.

DeWolf & Vincent, returned 2d audit,		4.50
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CEMETERIES, SALE OF LOTS.

Received from sundry persons, as follows:

Oak Grove Cemetery,	\$1,368.00	
Pine Grove Cemetery,	100.00	
Rural Cemetery,	2,170.00	3,638.00

CEMETERIES, CARE OF LOTS.

Received from sundry persons, as follows :

Oak Grove Cemetery,	\$3,184.10	
Pine Grove Cemetery,	86.68	
Rural Cemetery,	4,162.48	
Other Cemeteries, not designated,	39.50	
Friends Cemetery,	.50	
N. P. Hayes, returned 2d audit,	3.75	\$7,477.01

COMMONWEALTH OF MASSACHUSETTS, CHAPS. 62 AND 164.

From State Treasurer, for burial of soldiers and sailors, 210.00

COMMONWEALTH OF MASSACHUSETTS, CHAP. 279.

From State Treasurer, one-half of disbursements for 1897, 1,103.00

COMMONWEALTH OF MASSACHUSETTS, CHAP. 301.

From State Treasurer, disbursements for 1897, 10,187.64

FIRE DEPARTMENT.

T. W. Chase & Co., returned, 2d audit, .75

FREE PUBLIC LIBRARY, DOG FUND.

From County Treasurer, one-half of amount
received for dog licenses,

	\$1,340.41	
From Audit Nos. 30, 216, 217 and 218, error,	7.45	1,347.86

FREE PUBLIC LIBRARY, TRUSTEES.

SYLVIA ANN HOWLAND BEQUEST.

From Public Debt, interest on trust fund, 3,000.00

GEORGE HOWLAND, JR. GIFT.

From Public Debt, interest on trust fund, 96.00

GEORGE O. CROCKER BEQUEST.

From Public Debt, interest on trust fund, 400.00

OLIVER CROCKER BEQUEST.

From Public Debt, interest on trust fund, 60.00

CHARLES W. MORGAN BEQUEST.

From Public Debt, interest on trust fund, 60.00

CHARLES L. WOOD BEQUEST.

From Public Debt, interest on trust fund,		\$80.00
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JAMES B. CONGDON GIFT.

From Public Debt, interest on trust fund,		30.00
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HIGHWAYS AND STREETS.

C. E. Woodworth, returned 2d audit, No. 40-593,		3.00
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INCIDENTALS.

From Collector, costs and interest on municipal and sewer taxes,	\$1,868.83	
Dr. P. G. Davis, returned 2d audit,	.50	1,869.33

NEW BEDFORD SCHOOL COMMITTEE.

SYLVIA ANN HOWLAND BEQUEST.

From Public Debt, accrued interest on bequest,		3,000.00
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NEW BEDFORD SCHOOL COMMITTEE, PRIZE FUND.

JONATHAN BOURNE BEQUEST.

From Public Debt, accrued interest on bequest,		60.00
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PUBLIC SCHOOLS, DOG FUND.

From County Treasurer, one-half amount received for dog licenses,		1,340.42
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NEW BEDFORD WATER WORKS.

From Water Registrar, as follows :

Rates,	\$100,116.87	
Services,	3,087.76	
Mains,	2,326.63	
Meters,	1,480.30	
Mill piping,	349.10	
Fines,	60.00	
Sale of hay,	35.00	
Workshop,	25.90	
Incidentals,	8.94	107,490.50

NEW BEDFORD WATER WORKS, FURTHER SUPPLY.

From sundry sources, as follows :

Henry W. Bennett, rents, etc.,	\$361.09
Blagen & Bush, force main,	50.75

T. W. Bumpus, rents, etc.,	\$34.00	
S. Casparis, freight,	20.00	
" rents, etc.,	168.63	
Frank Devits, rents,	12.00	
Carlton E. Davis, Acock contract,	4.00	
W. S. Eaton, Jr., rents,	26.60	
John Frazer, rents,	18.00	
E. R. & P. A. Gifford, rents,	22.28	
F. B. Hathaway, rents,	27.50	
Mrs. C. A. Jewett, rents,	4.00	
Jas. A. Jones, rebate on insurance,	3.94	
Daniel O'Conner & Son, material,	164.70	
Hanna T. Swett, rents,	13.69	
J. D. Vaughn, lumber,	47.50	
H. A. Wyman, rents, etc.,	12.93	\$991.61

PARK COMMISSION.

Buttonwood Park, sale of standing grass,	\$65.00	
W. S. Cook, sale of flowers from Common,	4.00	
W. S. Cook, sale of hay, Brooklawn Park,	14.00	
W. S. Cook, sale of deer and duck,	27.15	110.15

POOR DEPARTMENT.

Briggs & Lawrence, returned 2d audit,	\$13.50	
H. K. Wampole, returned 2d audit,	6.50	20.00

PUBLIC SCHOOLS, INCIDENTALS.

R. A. Sherman, returned 2d audit, No. 34-201,	2.00
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PUBLIC SCHOOLS, REPAIRS OF BUILDINGS.

C. F. Keene, returned 2d audit, No. 59-566,	3.35
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DEPARTMENT OF WHARVES.

Received from sundry sources, as follows :		
Public Works, wharfage, storage, etc.,	\$585.00	
N. B. Water Works, wharfage, storage, etc.,	164.25	
Wharfinger, dockage rents and water,	3,138.16	3,887.41

SALARIES.

Error in audit,	10.00
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PROSPECT STREET SEWER, No. 3.

From general sewers, error in bill for labor,	436.50
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PUBLIC DEBT.

From Commissioners of Sinking Funds, to pay maturing Improvement Bonds,	\$15,000.00	
From Water Registrar. rates to pay Bonds and interest,	25,000.00	
From Department of Wharves, interest on Bonds,	2,080.00	\$42,080.00

REAL ESTATE TAX ACCOUNT.

Benjamin Terry, Estate of, tax of 1894,	\$80.56	
Sophia A. Potter, Babbitt street sewer,	9.50	90.06

UNAPPROPRIATED FUNDS.

From sundry parties and departments, labor, concrete, stone, etc., furnished by the Board of Public Works,	\$23,499.67	
Estimated cost of drains and re- pairs,	\$6,199.68	
Less rebates,	598.40	5,601.28
Trim trees,		750.93
Engineering department,		67.99
Fees for entering sewers,		380.00
Bristol County House of Correction fines,		1,530.58
Third District Court of Bristol, fines, etc.,		5,451.33
County Treasurer, rent of court room,		750.00
Union Street Railway,		
On location,	\$10,000.00	
Under clauses 5, 6 and 9,	1,250.00	11,250.00
Received for premiums on bonds sold,		
Schoolhouse bonds,		
at	104.295	\$3,951.40
Sewer bonds, at	105.565	1,947.75
Improv't. bonds, at	102.415	1,497.30
Accrued interest,	327.81	7,724.26
Clifford P. Sherman, sale of building,		154.55
W. E. Hatch, Supt., Tuition and sales,		1,210.77
Collector, 1% on State Bank taxes,		403.05
M. J. Lowe, 2d audit,		25.00
Schuler Brothers, 2d audit,		1.65
Fire department, sundry sales,		47.25
Licenses, peddlers,	\$225.00	
" milk,	182.00	
" pigs,	68.00	475.00
Liquor licenses,	75,633.00	
One-quarter to State Treasurer,	18,908.25	56,724.75

City Clerk, fees, etc.,	\$1,084.35	
Sealer's fees,	369.93	
Banks, interest on deposits,	3,698.20	
Rents of City Hall,	146.00	
Veteran Firemen, rent,	5.00	
From State Treasurer,		
Corporation taxes, 1897,	\$102.01	
" " 1898,	26,390.97	
National Bank taxes, non res.,	2,020.66	
Tax on ships in foreign trade,	595.07	
Armory rents,	800.00	29,908.71

From State Treasurer, licenses returned,		
Charles Anderly, Estate of	\$36.25	
E. P. Canney,	105.28	
Mark Watson, Estate of	178.53	320.06

From Collector, Betterment taxes,		
North Christian Church,		
Purchase street extension,	\$590.75	
Arvilla Delano, same,	188.96	
B. H. Waite, et al., same,	611.79	
S. B. & B. H. Waite, Union st.	332.25	1,723.75

From Collector, for sewer taxes,		
Adams street,	\$375.74	
Ashley street,	246.52	
Bentley street,	106.03	
Bellville avenue,	49.27	
Bourne street,	130.76	
Bowditch and Holly streets,	1,140.99	
Butler street,	135.21	
Butler street and Brock ave.,	599.50	
Chancery street,	275.85	
Cottage, Grove and Borden sts.,	449.90	
Coffin avenue,	18.47	
County street,	30.66	
Chestnut street,	199.46	
Clinton street,	69.37	
County and Merrimac streets,	210.09	
Davis street,	300.54	
Dartmouth street,	222.44	
Dartmouth, Stowell and Field streets,	127.47	
East French avenue,	229.57	
Elm and Reed streets,	398.26	

Fourth street,	\$56.47	
Front street,	57.66	
Hall court,	13.87	
Hanson street,	15.07	
Hazard street,	23.63	
Lindsey street,	20.78	
Morton court,	9.40	
Mt. Pleasant street,	66.50	
Myrtle street,	23.90	
Mill street,	30.35	
Orchard street,	164.17	
Pierce street,	107.76	
Rotch street,	48.54	
Rounds street,	7.86	
Sawyer street,	788.85	
Second street,	131.06	
Summer street,	60.72	
South Water street,	75.00	
Shawmut avenue,	193.75	
Scott street,	22.09	
Thompson street,	41.74	
Union and Palmer streets,	11.59	
Wamsutta street,	2.79	
Washington street,	66.00	\$7,355.65

From sundry sources on account of Poor Department :

Cities and Towns.

Attleborough,	\$46.70
Boston,	14.00
Cambridge,	15.86
Canton,	2.00
Chicopee,	59.23
Dartmouth,	294.00
Easton,	60.00
Fairhaven,	53.39
Falmouth,	3.50
Fall River,	163.19
Fitchburg,	5.23
Freetown,	68.00
Hanson,	24.00
Hyde Park,	215.25
Lawrence,	52.50
Mattapoisett,	40.00
Nantucket,	44.00
Newburyport,	13.67

Palmer,	\$9.00	
Pittsfield,	37.69	
Provincetown,	70.22	
Rochester,	60.00	
Sandwich,	29.99	
Spencer,	15.00	
Springfield,	131.71	
Taunton,	192.00	
Wareham.	303.92	
Warren,	336.00	
Westport,	175.00	\$2,535.05

From sundry persons, board at Insane Hospital, Taunton, etc.,

James Beaurigard,	\$45.50	
H. D. Cleveland,	20.87	
Daniel B. Himes,	1,128.19	
Mrs. John J. Irving,	169.46	
Theophili Labeau,	16.00	
Joseph Mercer,	127.21	
C. H. Purrington,	57.00	
Stephen W. Smith,	90.53	
S. H. Shepherd, Gdn.,	170.97	
William Taylor,	20.89	
John A. Thompson, Gdn.,	169.65	
George W. Williams,	95.65	
Isaiah Wood, board of son,	169.47	2,281.39

Received on account of Alms house, etc.,

Frank Bisbee,	\$1.90	
S. Cragen, transportation,	4.70	
Eureka Lodge, support,	24.00	
Bk. Grayhound, beri beri cases,	60.00	
L. LeBaron Holmes, Gdn.,	156.00	
William Jordan,	168.00	
Dr. G. F. Lewis, telephone,	1.50	
Mary A. Ormond's Est.,	288.66	
C. S. Paisler, sale of horse,	36.90	
John Spencer,	1.50	
Ellen Sullivan,	21.00	
John T. Turner, for wife,	24.00	
Mrs. A. B. Wady,	43.71	
Estate of John Welch,	20.00	
Georgianna Willis,	30.00	881.87

From State Treasurer,

Support, burials, etc.,	2,141.81
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From Fire Department,		
For hay from Alms house,	\$254.11	
From Highway Department,		
For crushed stone,	73.06	
From A. H. Jackson, Supt.,		
Sale of farm produce,	261.31	
From T. G. Wing,		
In settlement of account,	324.20	
	\$8,752.80	\$169,412.51

TEMPORARY LOAN.

F. S. Moseley & Co., Jan. 7, 1898,	\$500,000.00	
F. S. Moseley & Co., July 27, 1898,	75,000.00	
Commissioners of Sinking Funds, Nov. 1, 1898,	60,000.00	
Rogers, Newman & Tolman, Oct. 13, 1898,	140,000.00	775,000.00
Receipts, including balance Dec. 6, 1897,		\$2,370,581.57
Expenditures per warrants of the Mayor,		2,294,609.97
Balance, Dec. 5, 1898,		\$75,971.60

EXPENDITURES.

The payments on the warrants of the Mayor for the year ending December 5, 1898, have been as follows:—
viz :

Armories and military property,	\$3,277.89
Board of Assessors,	6,077.00
Board of Health,	19,608.23
Cemeteries,	25,349.82
Cemeteries, sale of lots,	3,799.99
City property,	6,765.49
Almshouse changes and alterations,	3,852.02
Engine house lot, Kempton and Reed streets,	2,257.20
Gravel lot, Hillman street,	6,764.12
Police station, Kempton and Cedar streets,	14,303.07
Rural cemetery, land,	2,250.00
Schoolhouse, Brock avenue,	14,025.91
“ “ heating and ventilating,	2,044.60
Schoolhouse, George H. Dunbar school,	4,739.68
“ Phillips avenue,	1,066.00
“ “ curbing,	1,349.00
“ lot, Coggeshall and Bowditch streets,	12,610.02
Commonwealth of Mass., Chapter 164,	385.00
“ “ “ 279,	2,059.00
“ “ “ 301,	10,246.50
“ “ “ 447,	8,087.73
“ “ “ 561, of 1898,	488.00
Court judgments,	909.61
Election funds,	4,308.63
Engineering department,	10,737.36
“ “ grade crossing,	620.39
Fire department,	78,460.51
“ “ underground wires,	826.24
Free Public Library,	11,681.48
“ “ “ “dog fund,”	1,196.16
“ “ “ “Trustees,”	
James B. Congdon fund,	16.22
George O. Crocker fund,	11.43
Oliver Crocker fund,	73.43
George Howland, Jr. fund,	190.55
Sylvia Ann Howland fund,	3,752.83
Charles W. Morgan fund,	87.77

Charles L. Wood fund,	\$137.90	
Reading room fund,	632.72	
Highways and streets,	191,773.22	
Land damages, Bonney street,	300.00	
“ Brock avenue,	40.00	
“ Hathaway street,	214.20	
“ Kempton street,	251.40	
“ Palmer street,	679.50	
“ Purchase street, No. 3,	11,906.93	
“ Purchase street, No. 4,	19,730.83	
“ Purchase street, No. 5,	35,475.42	
“ Rockdale avenue,	1,011.04	
“ Thompson street,	200.00	
Incidentals,	53,161.95	
Band concerts,	481.10	
Equipment of troops,	2,034.76	
Memorial day, G. A. R.,	750.00	
Semi-Centennial celebration,	28.50	
Pingree system,	908.55	
Textile school,	25,000.00	
License Commission,	960.65	
Lighting the streets,	49,199.17	
Coggeshall street bridge,	155.52	
New Bedford and Fairhaven bridge,	1,925.37	
New Bedford School Committee,		
Howland fund,	3,356.41	
New Bedford School Committee,		
Jonathan Bourne fund,	60.00	
New Bedford Water Works,	123,163.23	
“ “ “ “ further supply,	215,124.97	
Park Commission,	20,620.70	
Police department,	120,242.06	
Poor department,	77,018.19	
Printing, binding and stationery,	3,524.58	
Public schools, incidentals,	\$52,561.41	
“ “ pay of teachers,	136,315.61	
“ “ repairs of		
buildings,	14,609.37	
Public schools, dog fund,	4,018.73	
“ “ kindergarten,	3,345.64	
“ “ Geo. H. Dunbar		
school,	52.68	210,903.44
Department of Wharves,	5,098.37	
Salaries,	24,045.68	
Sewers, General Account,	22,316.39	

Sewers, Ashland street,	\$540.83	
“ Blackmer street, enlargement,	2,020.66	
“ Beach street,	309.60	
“ Clinton street, No. 3,	85.02	
“ Florence street,	1,806.72	
“ Grape street, extension,	10,993.51	
“ Hathaway and Front streets,	1,791.74	
“ Hazard street, No. 3,	15.44	
“ Hillman street and Rockdale avenue,	1,507.75	
“ Middle street, No. 6,	109.68	
“ Morgan's lane,	546.42	
“ Morgan and Lindsey streets,	195.88	
“ Pleasant street, No. 4,	261.44	
“ Prospect street, No. 3,	733.65	
“ Tallman street,	1,860.16	
“ Trinity street,	180.25	
“ Wamsutta street,	41.09	
Public debt,	194,498.50	
Sinking funds,	90,400.00	
Temporary loans,	500,000.00	\$2,294,609 97

STATEMENT OF TRUST FUNDS HELD BY THE CITY OF NEW BEDFORD.

New Bedford School Committee :

One-half Sylvia Ann Howland bequest invested in Water Works construction account, at 6% ,		\$50,000.00
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Free Public Library, Trustees' account :

One-half Sylvia Ann Howland bequest invested in Water Works construction account, at 6% ,		50,000.00
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\$100,000.00

Free Public Library, Trustees' account, (held as cash in the treasury) :

George Howland, Jr. gift at 6% ,	\$1,600.00	
Charles W. Morgan bequest at 6% ,	1,000.00	
Oliver Crocker bequest at 6% ,	1,000.00	
James B. Congdon gift at 6% ,	500.00	
George O. Crocker bequest at 4% ,	10,000.00	
Charles L. Wood library fund at 4% ,	2,000.00	16,100.00

New Bedford School Committee,

Jonathan Bourne, "Prize fund,"		1,000.00
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Cemetery Funds, perpetual care of lots, (held as cash in the treasury at 6%)	\$26,734.93	
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Cemetery Funds, (deposits in savings bank,) balance December 5, 1897,	14,050.00	
Receipts to December 5, 1898,	5,575.00	46,359.93

Total trust funds,		\$163,459.93
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We have examined the foregoing and find it correct :

CHAS. H. LAWTON,
W. E. SMITH,

Sub-committee of the Committee on Finance, ap-
pointed to examine the books and accounts of the
Treasurer and Auditor.

Annual Report

OF THE

Sinking Fund Commissioners

OF THE

City of New Bedford,

For the Year 1898.

REPORT

OF THE

TREASURER OF THE SINKING FUNDS

CITY OF NEW BEDFORD,

TREASURER'S OFFICE,

January 1, 1899.

*To the Commissioners of Sinking Funds of the City of
New Bedford:*

GENTLEMEN:—Herewith I present a statement of my account as the Treasurer of the Sinking Funds for the year 1898, together with a list of the securities now held by the board.

Dr.

Par value of funds, January 1, 1898,	\$529,208.65	
Appropriations by City Council, require- ments for municipal debt,	90,400.00	
Received from water rates,	29,600.00	
Received from income on wharves,	1,040.00	
Due from City of New Bedford, Fund No. 7,	250.89	
Received for interest on investments,	22,210.88	\$672,710.42

CR.

Amount paid, accrued interest on investments,	\$681.99	
Amount paid, premiums on same,	7,017.50	
Amount paid City Treasurer, maturing bonds April 1, 1898,	15,000.00	
Amount of funds, at par Jan. 1, 1899,	650,010.93	\$672,710.42

APPROPRIATIONS

By the City Council and Water Board, to reduce public debt for the year 1898, including all other receipts, together with the value of the Sinking Funds, January 1, 1899.

Sinking Funds, January 1, 1898,		\$529,208.65
For \$20,000 Water bonds, April 1, 1888,		
30 years,	\$800.00	
\$120,000 Water bonds, April 1, 1894,		
30 years,	4,800.00	
\$1,200,000 Water bonds, 1894, 1896, 1897,	24,000.00	
\$52,000 Wharf bonds, May 1, 1897,		
30 years,	1,040.00	
\$30,000 Sewer bonds, April 1, 1886,		
20 years,	1,200.00	
\$30,000 Sewer bonds, October 1, 1886,		
20 years,	1,200.00	
\$15,000 Sewer bonds, April 1, 1887,		
20 years,	600.00	
\$35,000 Sewer bonds, April 1, 1888,		
20 years,	1,400.00	
\$43,000 Sewer bonds, April 1, 1889,		
20 years,	1,720.00	
\$62,000 Improvement bonds, due April 1, 1899,	4,960.00	
\$48,000 Sewer bonds, April 1, 1890,		
20 years,	1,920.00	
\$25,000 Improvement bonds, April 1, 1890, 10 years,	2,000.00	
\$57,000 Sewer bonds, April 1, 1891,		
20 years,	2,280.00	
\$73,000 Improvement bonds, April 1, 1891, 10 years,	5,840.00	
\$100,000 Sewer bonds, April 1, 1892,		
20 years,	4,000.00	

\$50,000 Improvement bonds, April 1, 1892, 10 years,	\$4,000.00	
\$100,000 Park loan, June 1, 1892, 50 years,	1,000.00	
\$108,000 Sewer bonds, April 1, 1893, 20 years,	4,320.00	
\$162,000 Improvement bonds, April 1, 1893,	12,960.00	
\$32,000 Sewer bonds, April 1, 1894, 20 years,	1,200.00	
\$89,000 Improvement bonds, April 1, 1894, 10 years,	7,120.00	
\$58,000 Sewer bonds, April 1, 1895, 30 years,	1,160.00	
\$24,000 Improvemeht bonds, April 1, 1895, 10 years,	1,920.00	
\$172,000 Improvement bonds, March 1, 1897, 10 years,	13,760.00	
\$128,000 School bonds, March 1, 1897, 20 years,	5,120.00	
\$69,000 Sewer bonds, March 1, 1897, 30 years,	1,380.00	
\$35,000 Sewer bonds, February 1, 1898, 30 years,	700.00	
\$92,000 School bonds, February 1, 1898, 20 years,	3,680.00	
\$62,000 Improvement bonds, February 1, 1898, 10 years,	4,960.00	\$121,040.00
Interest on investments,		22,210.88
Due from city, Fund No. 7,		250.89
Total receipts, etc., including balance January 1, 1898,		<u>\$672,710.42</u>

PAYMENTS.

To City Treasurer, Improvement bonds, matured April 1, 1898,	\$15,000.00	
Premium on bonds purchased,	7,017.50	
Accrued interest on same,	681.99	\$22,699.49
Net value of Sinking Funds, Jan. 1, 1899, at par,		<u>\$650,010.93</u>

LIST OF SECURITIES BELONGING TO THE SINKING FUNDS JANUARY 1, 1899.

Milwaukee, Wis., Viaduct loan, 5 per cent. bonds due July 2, 1906,	\$6,500.00
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Milwaukee, Wis., Museum loan, 5 per cent. bonds due July 1, 1906,	\$3,000.00
Milwaukee, Wis., Bridge loan, 5 per cent. bonds due July 1, 1906,	10,500.00
Bridgeport, Conn., Municipal loan, 4 per cent. bonds due January 1, 1924,	6,000.00
Indianapolis, Ind., Refunding loan, 4 per cent. bonds due June 30, 1924 and March 1, 1924,	10,000.00
Waterbury, Conn., Water loan, 4 per cent. bonds due July 1, 1919,	15,000.00
Lynn Municipal loan, 4 per cent. bonds due January 1, 1922,	5,000.00
Lynn Municipal loan, 4 per cent. bonds due October 1, 1923,	1,000.00
Lynn Municipal loan, 4 per cent. bonds due April 1, 1923,	3,000.00
Lynn Sewer loan, 4 per cent. bonds due September 1, 1908,	6,000.00
Cambridge Sewer loan, 4 per cent. bonds due August 1, 1924,	32,000.00
Cambridge Park loan. 4 per cent. bonds due February 1, 1924,	4,000.00
Grand Rapids, Mich., 4½ per cent. Water loan, bonds due Oct. 1, 1913,	40,000.00
New Britian, Conn., Water loan, 4 per cent. bonds due Aug. 1, 1908, to 1918,	25,000.00
Springfield, O., Municipal loan, 5 per cent. bonds due September 1, 1901,	4,000.00
Springfield, O., Municipal loan, 5 per cent. bonds due September 1, 1902,	3,000.00
Cleveland, O., Water loan, 4 per cent. bonds due April 1, 1903,	4,000.00
New Bedford Water loan, 4 per cent. bonds due April 1, 1924,	3,000.00
New Bedford Sewer loan, 3½ per cent. bonds due October 1, 1906,	30,000.00
New Bedford Wharf loan, 4 per cent. bonds due May 1, 1927,	52,000.00
Newton Water loan, 4 per cent. bonds due April 1, 1924,	19,000.00
Wakefield Light loan, 4 per cent. bonds due October 1, 1918,	9,000.00
Woonsocket, R. I., Funding bonds, 4 per cent. due April 1, 1924,	3,000 00

Haverhill Municipal loan, 4 per cent. bonds due October 1, 1921,	\$20,000.00
Brockton Water loan, 4 per cent. bonds due April 1, 1924,	7,000.00
Brockton Water loan, 4 per cent. bonds due December 15, 1923,	1 000.00
Saginaw, Mich., Sewer loan, 5½ per cent. bonds due November 1, 1913,	15,000.00
Malden Sewerage loan, 4 per cent. bonds due May 2, 1924 and 1925,	25,000.00
Newport, R. I., Gold loan, 4 per cent. bonds due May 15, 1923,	15,000.00
Meriden, Conn., Municipal loan, 4 per cent. bonds due May 1, 1907,	10,000.00
Haverhill Municipal loan, 4 per cent. bonds due December 1, 1922,	5,000.00
Taunton Sewer loan, 4 per cent. bonds due June 1, 1915,	1,000.00
Taunton Municipal loan, 4 per cent. bonds due June 1, 1905,	11,125.00
Taunton Municipal loan, 4 per cent. bonds due December 1, 1915,	2,000.00
Taunton Municipal loan, 4 per cent. bonds due December 1, 1906,	19,000.00
Youngstown, O., Water loan, 5 per cent. bonds due May 1, 1899,	5,000.00
Youngstown, O., Water loan, 5 per cent. bonds due May 1, 1900,	1,000.00
Hyde Park Sewer loan, 4 per cent. bonds due May 1, 1908 and 1909,	10,000.00
Hyde Park Schoolhouse loan, 4 per cent. bonds due November 1, 1901 and 1902,	3,000.00
Malden Water loan, 4 per cent. bonds due January 1, 1916,	10,000.00
Waltham Building loan, 4 per cent. bonds due January 1, 1907,	3,000.00
Waltham Water loan, 4 per cent. bonds due April 1, 1917,	6,000.00
Waltham Sewer loan, 4 per cent. bonds due January 1, 1927,	2,000.00
Attleborough Water loan, 4 per cent. bonds due January 1, 1926,	18,000.00
Newton Sewer loan, 4 per cent. bonds due May 1, 1927,	16,000.00

Quincy Sewer loan, 4 per cent. bonds due May 1, 1916 to 1923,	\$20,000.00	
Watertown Municipal loan, 4 per cent. bonds due August 1, 1900,	1,000.00	
Medford Building loan, 4 per cent. bonds due August 1, 1918,	30,000.00	
New Bedford Improvement loan, 6 per cent. bonds due October 1, 1899,	1,000.00	
New Bedford Sewer loan $3\frac{1}{2}$ per cent. bonds due February 1, 1928,	3,000.00	
New Bedford Schoolhouse loan, $3\frac{1}{2}$ per cent. bonds due February 1, 1918,	4,000.00	
Taunton Municipal loan, 4 per cent. bonds due June, 1, 1907,	4,000.00	
Worcester Funding Sewer loan, 4 per cent. bonds due July 1, 1928,	17,000.00	\$579,125.00

SAVINGS BANK DEPOSITS AND OTHER LOANS.

New Bedford Five Cents Savings Bank,	\$1,208.45	
New Bedford Institution for Savings,	1,137.38	
The Boston Five Cents Savings Bank,	1,161.32	
Charlestown Five Cents Savings Bank,	1,137.38	
City Institution for Savings, Lowell,	1,032.45	
Suffolk Savings Bank for Seamen and Others,	1,186.41	
City of New Bedford Loans,	60,250.89	
		\$67,114.28
Citizens National Bank, Deposits.		3,771.65
Total amount of investments, including deposits,		\$650,010.93

BONDS PURCHASED DURING THE YEAR 1898.

Medford Building bonds, 4s, at 111,	\$30,000.00	
New Bedford Improvement bonds, 6s, at 102 $\frac{1}{2}$,	1,000.00	
New Bedford Sewer bonds, $3\frac{1}{2}$ s, at 107 $\frac{1}{8}$,	3,000.00	
New Bedford Schoolhouse bonds, $3\frac{1}{2}$ s, at 105 $\frac{1}{8}$,	4,000.00	
Taunton Municipal bonds, 4s, at 106 $\frac{1}{4}$,	4,000.00	
Worcester Funding Sewer bonds, 4s, at 117 $\frac{3}{4}$,	12,000.00	
Worcester Funding Sewer bonds, 4s, at 117 $\frac{7}{8}$,	5,000.00	\$59,000.00

AMOUNT OF SINKING FUNDS AND LOANS
SECURED BY SAME IN EACH CLASS.

CLASS.	SINKING FUNDS.	LOANS.	WHEN DUE.
3	\$20,070.04	\$30,000.00	April 1, 1906
4	18,128.15	30,000.00	October 1, 1906
5	9,076.73	15,000.00	April 1, 1907
8	18,953.58	35,000.00	" 1908
9	7,707.81	20,000.00	" 1918
10	20,694.29	43,000.00	" 1909
11	59,696.34	62,000.00	" 1899
12	20,349.49	48,000.00	" 1910
13	21,197.58	25,000.00	" 1900
14	21,023.03	57,000.00	" 1911
15	53,848.48	73,000.00	" 1901
16	31,639.56	100,000.00	" 1912
17	31,639.56	50,000.00	" 1902
18	6,650.95	100,000.00	" 1942
19	28,731.87	108,000.00	" 1913
20	86,195.64	162,000.00	" 1903
21	6,512.84	32,000.00	" 1914
22	38,642.76	89,000.00	" 1904
23	11,985.13	120,000.00	" 1924
24	71,319.21	1,200,000.00	January 1, 1927
25	4,881.88	58,000.00	April 1, 1925
26	8,080.31	24,000.00	" 1905
27	28,190.20	172,000.00	March 1, 1907
28	10,474.46	128,000.00	" 1917
29	2,824.72	69,000.00	" 1927
30	2,115.01	52,000.00	May 1, 1927
31	703.10	35,000.00	February 1, 1928
32	3,696.27	92,000.00	" 1918
33	4,981.94	62,000.00	" 1908
	\$650,010.93	\$3,091,000.00	

SINKING FUNDS,
CITY OF NEW BEDFORD.

BALANCE SHEET,

JANUARY 1, 1899.

PAGE.	NO.	DR.	CR.
18	Sinking Fund, 3		\$20,070.04
25	" " 4		18,128.15
28	" " 5		9,076.73
36	" " 8		18,953.58
39	" " 9		7,707.81
42	" " 10		20,694.29
45	" " 11		59,696.34
48	" " 12		20,349.49
51	" " 13		21,197.58
53	" " 14		21,023.03
56	" " 15		53,848.48
59	" " 16		31,639.56
61	" " 17		31,639.56
63	" " 18		6,650.95
65	" " 19		28,731.87
67	" " 20		86,195.64
73	" " 21		6,512.84
75	" " 22		38,642.76
77	" " 23		11,985.13
79	" " 24		71,319.21
81	" " 25		4,881.88
83	" " 26		8,080.31
87	" " 27		28,190.20
89	" " 28		10,474.46
91	" " 29		2,824.72
93	" " 30		2,115.01
94	" " 31		703.10
95	" " 32		3,696.27
96	" " 33		4,981.94
70	Bond account,	\$579,125.00	
71	Saving Bank and Loan account,	66,863.39	
33	Sinking Fund No. 7,	250.89	
9	Citizens National Bank,	3,771.65	
		\$650,010.93	\$650,010.93

Respectfully submitted,

JAMES H. HATHAWAY,

Treasurer of the Sinking Funds.

REPORT

OF THE

Commissioners of the Sinking Funds.

CITY OF NEW BEDFORD, MASS.,

March 8, 1899.

To the City Council of the City of New Bedford:

GENTLEMEN:—At a meeting of the Commissioners of Sinking Funds of the City of New Bedford, held this day, it was

Voted, To adopt the foregoing statement of the Treasurer of the Sinking Funds as the report of the Commissioners of the Sinking Funds of the City of New Bedford, required by the Statutes of Massachusetts to be made annually to the City Council.

A. R. PALMER,

WM. H. PITMAN,

E. S. BROWN,

Commissioners of Sinking Funds.

We have examined the foregoing and find it correct.

CHAS. H. LAWTON,
WM. E. SMITH,

Sub-committee of the Committee on Finance, appointed to examine the books and accounts of the Auditor, Treasurer and Treasurer of the Sinking Funds.

IN BOARD OF ALDERMEN,

May 11, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

5 mo. 11, 1899.

Concurred.

WM. A. MACKIE,

Clerk.

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1899—CITY DOCUMENT No. 9.

Annual Report

OF THE

CHIEF OF POLICE,

OF THE

City of New Bedford,

FOR THE

Year Ending December 31st, 1898.

NEW BEDFORD:
E. ANTHONY & SONS, Incorp., CITY PRINTERS
1899.

Annual Report.

CITY OF NEW BEDFORD, MASS.,

OFFICE OF THE CHIEF OF POLICE.

To His Honor, the Mayor, and Gentlemen of the City Council:—

GENTLEMEN:—I have the honor to submit herewith, the annual report of the condition and doings of the Police Department, for the year ending Dec. 31st, 1898.

This department at present consists of the following :

Chief,	1	Health Officer,	1
Captains,	2	Emergency Officer,	1
Lieutenants,	9	Wagonmen,	2
Inspectors,	2	Drivers,	2
Sergeants,	4	Housekeepers,	9
Patrolmen,	74	Matron,	1
Clerk,	1	Janitor,	1
Total,			110

ARRESTS DURING THE YEAR, 1,852.

Arrests by months:—		Males,	1,583
January,	134	Females,	269
February,	123	Americans,	926
March,	109	Foreigners,	926
April,	129	Non-residents,	376
May,	160	Minors,	180
June,	189	Commitments,	891
July,	198	On warrants,	485
August,	155		
September,	202		
October,	171		
November,	138		
December,	144		

NATIVITY OF PRISONERS.

United States,	926
British Provinces,	19
Canada,	210
Ireland,	222
England,	218
France,	2
Germany,	13
Italy,	1
Portugal,	102
Sweden,	15
Scotland,	42
Wales,	6
Norway,	1
West Indies,	2
Denmark,	9
Russia,	25
St. Helena,	2
Poland,	8
Austria,	6
Friedland,	5
Switzerland,	1
China,	17

LODGERS.

Number of lodgers during the year, 924. Classification of lodgers :

Males,	617
Females,	7
Americans,	555
Foreigners,	366
Non-residents,	914
Minors,	17

NATIVITY OF LODGERS.

United States,	558
British Provinces,	5
Canada,	46
Ireland,	151
England,	112
France,	1
Germany,	8
Portugal,	2
Sweden,	7
Scotland,	29
Norway,	2
Poland,	1
Wales,	2

Amount of fines, in Third Bristol District Court, \$6,089.66

OFFENCES.

Adultery,	1
Armed with dangerous weapon,	1
Assault and battery,	158
Assault felonious,	3
Arson,	1
Bastardy,	9
Begging,	1
Breaking and entering and larceny,	27
Beating hotel,	1
Contempt of Court,	6
Committing a nuisance,	1
Concealing personal property, bought conditionally,	2
Cruelty to dumb animals,	6
Dealing in junk without license,	3
Disturbing the peace,	171
Dipsomaniacs,	2
Desecrating graves,	1
Drunkenness,	1,090
Embezzlement,	3
Escaped convicts,	1
Fast driving,	3
Forgery,	1
Idle and disorderly,	16
Indecent exposure,	5
Insane,	32
Intimidation,	11
Keeping common gaming house,	1
Keeping common nuisance,	2
Keeping liquor nuisance,	2
Keeping liquor with intent to sell illegally,	3
Keeping noisy and disorderly house,	9
Keeping unlicensed dog,	1
Larceny,	112
Larceny felonious,	1
Malicious mischief,	2
Neglected children,	15
Night walking,	10
Non-support,	24
Obstructing an officer,	2
Obtaining goods under false pretences,	3
Peddling without license,	1
Polygamy,	1

Present at unlawful game,
 Rape,
 Receiving stolen goods,
 Robbery,
 Selling leased property,
 Selling liquor to a minor,
 Stealing a ride,
 Stubborn children,
 Surrendered by bondsman,
 Threatening bodily harm,
 Transporting swill without license.
 Trespass,
 Using registered bottles,
 Uttering counterfeit money,
 Vagrants,
 Violating bicycle law,
 Violating City ordinances,
 Violating fishery law,
 Violating Lord's day,
 Violating Oleomargarine law,
 Violating conditions of prohibition,
 Violating election law,

PRIMARY DISPOSITION OF CASES.

Paid fines,	499
Committed to various institutions,	891
Continued,	253
Released without arraignment, by order of the Court,	46
Continued on probation,	91
Probably guilty,	24
Laid on file,	13
Not guilty, and discharged,	23
Defaulted,	6
Nolle prossed,	13
Delivered to out-of-town officers,	12
Ordered to give bonds to keep the peace,	6
Appealed,	91

MISCELLANEOUS BUSINESS.

Accidents,	
Amount of property reported stolen in the City,	\$3,399.28
Amount of property recovered,	\$2,593.31
Buildings found open and secured,	193
Boxes found open,	1
Court attendance,	3,247
Cases investigated,	3,504
Dangerous buildings reported,	3
Dangerous dogs reported,	4
Dangerous wires reported,	51
Defective fire alarm boxes reported,	5
Defective police boxes reported,	38
Defective lamps reported,	65
Defective streets and sidewalks reported,	376
Defective gas pipes reported,	10
Defective hydrants reported,	8
Defective water pipes reported,	9
Dead bodies found,	4
Disturbances suppressed,	357
Dog notices served,	492
Dogs killed,	22
Fire alarms given,	17
Fires extinguished without alarm,	23
Intoxicated persons helped home,	9
Lost children found and returned,	230
Liquor search warrants served,	6
Notices served,	48
Rescued from drowning,	1
Street obstructions reported,	26
Street obstructions removed,	10
Stray teams put up,	52
Sick and injured persons assisted,	104
Water running to waste,	46
Horses found cast,	24
Electric street lights reported out,	4,158
Gas street lights reported out,	309
Naptha street lights reported out,	1,730
Extra hours duty,	3,757

ROSTER OF THE FORCE.

CHIEF :

HENRY W. MASON.

CAPTAINS :

TIMOTHY C. ALLEN, JAMES L. WILBER.

INSPECTORS :

GEORGE E. GENDRON, FRANKLIN L. HATHAWAY.

LIEUTENANTS :

SETH E. BRYANT,	THOMAS W. COMSTOCK,
THOMAS FAY,	ARTHUR H. JONES,
CHARLES L. MCBAY,	JOHN C. PARKER,
THOMAS J. TAFT,	JOSEPH B. WING.

COURT AND COMMITTING OFFICER :

LIEUT. LEMUEL D. ADAMS.

CLERK :

HENRY N. WEST.

SERGEANTS :

CHARLES C. GIFFORD,	EDMUND FOLEY,
WILLIAM E. ROSCOE,	WILLIS C. UNDERWOOD.

POLICE MATRON :

MRS. MARGARET S. BULLARD.

PATROLMEN :

ALDRICH, OSCAR F.	RHODES, HENRY W.
ALLEN, EDGAR W.	RICKETSON, HARRISON D.
ALLEN, EDWARD	ROOKS, JOHN C.
ALLEN, ROBERT N.	RUSSELL, EUGENE F.
ALMOND, WALTER	SAVAGE, JAMES W.
ALMOND, WILLIAM JR.,	SISSON, JOSEPH De L.
ARNETT, HENRY	SMITH, ANDREW J.
ARNETT, JAMES W.	SMITH, CHARLES F.
ATWOOD, WILLIAM W.	STOW, HARRY D.
CALLANAN, THOMAS F.	SULLIVAN, JOHN D.
CANNAVAN, PATRICK	SULLIVAN, TIMOTHY
CLARK, ULYSSES L.	SWEENEY, DANIEL P.
COWING, WILLIAM J.	SYLVIA, FRANK W.
COX, JAMES M.	TABER, JEREMIAH M.
DAHONEY, THOMAS	VOGEL, GEORGE
DALEY, JEREMIAH E.	WESTON, STEPHEN J.
DEMERS, FRANK E.	WIXON, JAMES A.
DENEEN, DANIEL	COLE, WILLIAM T.
DODDS, JAMES	HOWLAND, WILLIAM A. E.
ELDRIDGE, WASHINGTON A.	LAWRENCE, GEORGE R.
ENOS, FRANK	MCDONNELL, JAMES
HUTCHINSON, JOHN J.	BRIGGS, JOHN W.
IVEY, JAMES A.	CLOUGH, GEORGE H.
KENNEY, PATRICK	CHURCH, CHARLES B.
KENT, CHANCELLOR	DOHERTY, EDWARD P.
LEE, ALLEN R.	EARLEY, EDWARD C.
MATHER, JOSEPH	FANNING, JAMES F.
MCCARTHY, JEREMIAH	FOWLER, WILLIAM
MCDONALD, PATRICK	LOWTHER, GEORGE H.
McENNIS, ROBERT B.	MCDONALD, DENNIS J.
McLEOD, SAMUEL D.	MCCARTHY, EDWARD
MOYNAN, ROBERT	MCDONALD, DANIEL J.
MURPHY, CORNELIUS J.	MEEHAN, DANIEL
OLIVER, JOHN F.	VOGEL, ROBERT F.
PINKHAM, GEORGE W.	WILLIS, RUFUS H.
RAYMOND, HIRAM E.	WINSLOW, GEORGE F.
REMINGTON, FRANK L.	GIFFORD, GEORGE P.

EMERGENCY OFFICER :

PATRICK KENNEDY.

HEALTH OFFICER :

WILLIAM E. MACOMBER.

WAGONMEN :

JOHN M. JONES, GEORGE W. PAIGE.

DRIVERS :

EDWARD F. JENNINGS, WILLIAM M. RYAN.

HOUSEKEEPERS :

BUMPUS, HENRY W.	WILSON, THOMAS H.
DAYTON, LUTHER M.	JONES, ISAAC M.
HUMPHREY, DANIEL J.	MANCHESTER, JOHN B.
MITCHELL, WILLIAM H.	ROBBINS, CHARLES H.
STEVENS, HENRY	

JANITOR :

MOSES C. DREW.

IN MEMORIAM.

Milton A. Brownell, patrolman, died Jan. 16th, 1898,
suddenly, while on duty.

APPOINTMENTS.

On September 23rd, the following named persons were appointed and confirmed regular police officers of the City of New Bedford, they having served in a satisfactory manner a probationary term of six months, according to the civil service rules of the Commonwealth, viz :—

George P. Gifford, (veteran).

SIGNAL CALLS.

Duty calls,	260,547
Telephone calls,	28,056
Wagon calls,	747
Ambulance calls,	62

Our police signal system, is owned by the City, with the exception of the telephone and transmitter in each signal box. For the said telephones and transmitters, the City pays the annual rental of \$5.00 per set. Telephones and transmitters, superior to those now used, can be purchased at \$5.00 per set; and I therefore recommend such purchase, as a saving of \$280.00 per year may thereby be made, and superior service obtained.

In compliance with a petition from the citizens at, and in the vicinity of Lund's Corner, a special officer has been detailed to patrol that vicinity during the early hours of the night. This action has resulted in greatly improving the peace and quietude of the residents, and consequently in much satisfaction. I recommend that a signal box be placed in the vicinity of Lund's Corner.

POLICE STABLE AND APPARATUS.

The changes in the Police Stable, recommended in my last report, have been carried into effect and have fully

accomplished the results and improvements anticipated.

The apparatus consists of—

One patrol wagon, (rubber tires).
One prisoner's van.
One ambulance, (rubber tires).
One two-seated carriage.
One top buggy.
One single sleigh.
Three horses.

STATION HOUSES.

The five station houses are in good condition. The new station house at the corner of Kempton and Cedar streets, which is a model of its kind, leaves but little to be desired in that direction.

WOMEN'S LOCKUP.

Matron's report :—

Number of prisoners,	246
Insane,	2
Children,	9
Lodgers,	7

M. S. BULLARD, Matron.

To His Honor, the Mayor, and the Committee on Police, I hereby extend my thanks for the uniform courtesy and kindness accorded to me upon all occasions.

. Respectfully,

HENRY W. MASON,

Chief of Police.

IN BOARD OF ALDERMEN,

Jan. 26, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

1 mo., 26, 1899.

Concurred.

WM. A. MACKIE,

Clerk.

1899—CITY DOCUMENT No 10.

TENTH ANNUAL REPORT
OF THE
BOARD OF PUBLIC WORKS

OF THE
CITY OF NEW BEDFORD
TO THE
CITY COUNCIL,
TOGETHER WITH THE REPORT OF THE
SUPERINTENDENT OF PUBLIC WORKS
TO THE BOARD,
FOR THE YEAR 1898

NEW BEDFORD:
E. ANTHONY & SONS, Incorp., PRINTERS.
1899.

BOARD OF PUBLIC WORKS.

Organized May 3, 1889, under Chapter 167 of the Acts
and Resolves of 1889.

ORGANIZATION FOR 1898.

CHARLES S. ASHLEY, Mayor, Chairman.
STEPHEN A. BROWNELL, President of the Common Council.
JOHN ELDRIDGE, JR., term expires May, 1899.
MORGAN ROTCH, term expires May, 1900.
F. WM. OESTING, term expires May, 1901.

CLERK,
WILLIAM S. COOK.

SUPERINTENDENT OF PUBLIC WORKS,
CHARLES F. LAWTON, Civil Engineer.

.1898.

NEW BEDFORD,

MASS.

Population, assessors' estimate, 57,750.

Valuation, \$57,352,126.

Area, about $19\frac{1}{3}$ square miles.

131.05 miles of accepted streets.

Two bridges over the Acushnet river; old bridge being replaced by new bridge; $\frac{3}{4}$ Coggeshall street bridge maintained by New Bedford.

2.97 miles of stone block paving, an area of 37,554 square yards.

.056 miles of asphalt block paving, an area of 1,088 square yards.

16.15 miles of cobble paving, an area of 210,140 square yards.

46.41 miles of macadam paving, an area of 574,035 square yards.

85.85 miles of curbing.

35.47 miles of flag sidewalk, an area of 107,091 square yards.

31.17 miles of concrete sidewalk, an area of 134,365 square yards.

.246 miles of granolithic sidewalk, an area of 1,259 square yards.

61.111 miles of sewer from 8 to 72 inches diameter.

\$968,740.18 cost of sewer system to date.

780 catch basins.

110 eyeholes.

582 manholes.

26 sewer outlets into Acushnet river.

3 sewer outlets into the lower harbor.

5 sewer outlets into Clark's Cove.

REPORT.

OFFICE OF BOARD OF PUBLIC WORKS,
ODD FELLOWS BUILDING,

December 5, 1898.

To the Honorable the City Council of the City of New Bedford: —

GENTLEMEN: — The tenth annual report of the Board of Public Works for the year of 1898 is herewith submitted:

At the first meeting in January the Board organized with Hon. Charles S. Ashley, Mayor, Chairman, ex-officio; Hon. Stephen A. Brownell, President of the Common Council; John Eldridge, Jr., Charles O. Brightman and Morgan Rotch. F. Wm. Oesting became a member of the Board in May, succeeding Charles O. Brightman. The Board has lost one member by death, Honorable Stephen A. Brownell. Although your honorable body has taken occasion to place upon record your acknowledgment of his great public service, this Board desires to add its appreciation of his devotion to and interest in the manifold duties of this department, and to record its feeling of personal loss. As chairman and later as a member of the Board of Public Works, he gave unselfishly his sound counsel and advice in its meetings,

and his knowledge of the City's needs was always of the greatest aid and value in the transaction of the vast amount of work demanded each year of this Board.

The year just closed has been one of marked activity in the department. Owing to the generous appropriations set aside by the City Council for use by the Board in the various departments, the amount of work accomplished has been correspondingly large. The itemized statements accompanying and made a part of this report give in detail a report of all the work done, and your attention is respectfully called to them.

We do not desire to submit at this time any recommendations as to the needs of the department for the coming year, believing that this can be done with better results from time to time during the year.

Respectfully submitted,

CHAS. S. ASHLEY,	}	Board of
JOHN ELDRIDGE, JR.,		
MORGAN ROTCH,		
F. WM. OESTING,		
		Public Works.

The following is the report of William Downey, draw-tender of the New Bedford and Fairhaven bridge, for the year ending December 4, 1898, showing the number of vessels for which the draw has been opened :

1898.	Boats.	Schs.	Ships and Barks.	Tugs.	Barges.	Total.
December, '97,	17	16		73	27	133
January, '98,	14	12		85	51	162
February,	17	4		73	46	140
March,	94	15	1	88	59	257
April,	96	10		51	34	191
May,	227	9		89	60	385
June,	226	34	1	83	41	385
July,	358	9		152	112	631
August,	290	2		48	34	374
September,	194	9		47	30	280
October,	194	4		36	21	255
November,	65	3		43	27	138
Totals,	1,792	127	2	868	542	3,331

APPROPRIATIONS AND EXPENDITURES, 1898.

	Appropriation.	Expenditure.
Highways and streets,	\$175,000.00	\$181,334.62
General Sewers,	16,000.00	16,892.88
Coggeshall street bridge,	400.00	155.52
New Bedford and Fairhaven bridge,	2,100.00	1,925.37
Layout Bonney st., Rivet st., southerly,	300.00	300.00
Widening Brock avenue,	40.00	40.00
Layout Hathaway street, Acushnet avenue to Belleville avenue,	214.20	214.20
Widening Kempton street, Reed street to Rockdale avenue,	251.40	251.40
Layout Orchard street, Rivet street to Rockland street,	200.00	200.00
Layout Palmer street, Court street to Elm street,	675.50	675.50
*Widening Purchase street, Kempton street to Mill street,	13,398.00	11,906.93
*Widening Purchase street, Mill street to North street,	21,013.00	19,730.83
*Widening Purchase street, North street to Maxfield street,	38,178.75	35,475.42
Widening Rockdale avenue, Dartmouth street westerly,	1,011.04	1,011.04
	\$268,781.89	\$270,113.71
Ashland place and Linden court sewer,	\$1,000.00	\$540.83
Beech street sewer,	500.00	309.60
Blackmer street sewer,	3,000.00	2,020.66
†Clinton street sewer,	461.26	85.02
Florence street sewer,	2,500.00	1,806.72
Grape street sewer,	12,635.00	10,993.51
†Grit street sewer,	27.91	
Hathaway and Front streets sewer,	3,600.00	1,791.74
†Hazard street sewer,	52.75	15.44
Hillman street and Rockdale avenue sewer,	1,500.00	1,507.75
Middle street sewer,	150.00	109.68
Morgan and Lindsey streets sewer,	250.00	195.88
Morgan's lane sewer,	450.00	546.42
Pleasant street sewer,	300.00	261.44
†Prospect street sewer,	297.15	297.15
†Tallman street sewer,	1,892.47	1,860.16
Trinity street sewer,	500.00	180.25
†Wamsutta and Merrimac streets sewer,	41.09	41.09
	\$297,939.52	\$292,677.05

*Carried forward to 1899.

†See report for 1897.

HIGHWAYS AND STREETS.

Year.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on hand Decreased.	Stock on hand Increased.
1894	\$101,263.49	\$35,023.85	\$62,700.69		\$3,538.95
1895	113,362.44	56,701.37	55,734.55		926.52
1896	119,642.27	67,953.37	57,469.25	\$5,780.35	
1897	164,834.32	92,759.88	66,718.78		5,355.66
1898	181,334.62	96,618.76	83,876.67		839.19

GENERAL SEWERS.

Year.	Net Expenditure Appropriation for Year.	New Work.	Maintenance and Repairs.	Stock on hand Decreased.	Stock on hand Increased.
1894	\$14,714.60	\$4,508.70	\$9,811.91		\$393.99
1895	16,628.83	4,764.24	13,636.99	\$1,772.40	
1896	9,975.28	3,061.72	7,010.52	96.96	
1897	14,677.22	4,585.35	11,913.45	1,821.58	
1898	16,892.88	6,888.99	10,103.68	99.79	

Report of Superintendent.

OFFICE OF SUPERINTENDENT,
ODD FELLOWS BUILDING,
New Bedford, Dec. 5, 1898.

To the Board of Public Works of the City of New Bedford:

GENTLEMEN :—The tenth annual report of the work of this department for the twelve months ending December 3d, 1898, is herewith submitted.

The appropriation for Highways and Streets for 1898 was considerably larger than for any previous year, and the amount of work done was correspondingly large. As a consequence we have more miles of first class streets than ever before, and the general condition of all our streets has been greatly improved.

The following table showing some of the principal items of street work for the past six years will indicate the increased amount of work performed the past year.

Year.	Macadam. Length in ft.	Curbing. Length in ft.	Gutters. Length in ft.	Block Pav'g. Sq. Yds.
1893,	16,746	9,076	11,560	7,406
1894,	16,743	4,193	11,234	1,446
1895,	22,102	11,040	23,747	2,837
1896,	39,805	23,583	39,761	1,272
1897,	33,503	27,429	40,884	4,831
1898,	50,968	31,097	65,186	6,563

The addition to the crushing plant of the department of a 9x15 Farrel crusher, located in the south part of the

city, enabled us to do a large amount of macadam work in that section, and avoid the expensive haul from the city yard. With the crushing plants the department now owns, we can easily build 100,000 square yards of macadam a year. This would be equivalent to about nine miles, and would cost about \$40,000. When we consider that this would not only keep our present macadam streets in first class repair, but would give us four or five miles of new macadam streets each year, it seems to me to be the most economical expenditure that can be made, and one that should be maintained even if some other items of street improvement work have to be curtailed.

About 130,000 granite blocks on concrete base have been laid on Bowditch street, near Weld, and from a point on the west side of Purchase street, between Hazard and Austin, north to Weld street, and on Weld street, Weld square, and Acushnet avenue as far as Coggeshall street. This pavement replaced cobbles on Purchase street and macadam on Weld street and Acushnet avenue. There can be no question as to the advisability of laying this pavement on streets occupied by car tracks where traffic is heavy, nor is the economy of this pavement based wholly on the matter of repairs. Experience the past year has shown that Purchase street, where block paved, could be kept very clean with a slight amount of hand cleaning, whereas macadam and cobble streets subject to an equal amount of traffic are nearly always dirty. We have on hand about 60,000 blocks, including the old blocks taken from the New Bedford and Fairhaven bridge. These could be laid at an expense of about \$1.35 per square yard, and I would advise that they be laid on the east side of Purchase street from Weld street south.

Notwithstanding the low price the city charges for concrete sidewalks, the amount laid was considerably less than any year for the last four years. There are in my

opinion many sidewalks in the centre of the city built of small flags that could well be replaced with concrete laid full width. The flagging could then be laid on streets further from the centre, to enable people to keep out of the mud in bad weather.

The cost of street cleaning the past year is slightly more than in most other years. The demand for clean streets is undoubtedly increasing, and as pavements improve, a higher degree of cleanliness is required. A macadam street must be cleaner than a dirt street, a block paved street than a cobble one, and an asphalt street must be the cleanest of all. Experience has shown that hand cleaning is more effectual than machines, and that a force of cleaners constantly employed produces better results than periodic sweeping and scraping.

The collection of ashes the past year shows a somewhat increased cost over previous years. This is mainly owing to longer hauls to the dumps, several of the most convenient dumping grounds having become filled.

The tables attached give in detail all the work of the department, to which your attention is invited.

Respectfully submitted,

C. F. LAWTON, Supt.

STREETS ACCEPTED.

STREET.	LOCATION.	Width. Feet.	Length. Feet.
Brownell,	Grape to Bedford,	50	739.42
David,	Brock avenue to West French avenue,	50	578.17
Edward,	Dartmouth to Field,	40	600.90
Hathaway,	Belleville avenue to Acushnet avenue,	50	1,736.64
Hathaway,	Acushnet avenue to Church street,	50	1,750.25
Jenny Lind,	Kempton to Milton,	40	922.20
Morgan's lane,	Water to Second,	22.21	352.05
Orchard,	Rotch court to Union street,	45	178.42
Palmer.	Court to Elm,	40	440.46
Plummer,	Front street to Acushnet avenue,	45	446.44
Woodlawn,	Brock avenue to West French avenue,	40	1,055.14
Valentine,	Brock avenue to West French avenue,	50	1,117.17
Total, 9917.26 feet, or 1.878 miles.			9,917.26

STREET WIDENINGS LAID OUT AND ACCEPTED.

STREET.	LOCATION.	AMOUNT OF WIDENING.	Former Width.	Present Width.	Length.
Kempton,	Reed street to Rockdale avenue,	20 ft. on south side,	40	60	359.79
Purchase,	Kempton to Mill,	20 ft. on west side,	40	60	134.30
Purchase,	Mill to North,	20 ft. on west side,	40	60	211.27
Purchase,	North to Hillman,	17.5 ft. on west side,	42.5	60	262.80
Purchase,	Hillman to Maxfield,	20 ft. on west side,	40	60	261.38
Rockdale avenue,	Dartmouth west,	30 ft. on north side,	50	80	1,210.87
					2,440.41

Total length 2440.41 ft. or 0.462 miles.

GRADES ESTABLISHED.

First street, | Grinnell to Howland, | Dec. 14, 1897.

MACADAM NEW.

STREET.	LOCATION.	Length.	Area. Sq. Yds.	Cost.
Acushnet avenue,**	Between Blackmer and Rivet,	249	498	\$104.02
Acushnet avenue,	2178 ft. no. Phillips road to 1545 ft. so. of Braley road,	6,960	17,786.44	8,700.96
Arnold place,	North of Arnold street,	424	891.24	300.48
Ash,	Between Bedford and Grove,	410	792.6	230.02
Ash.	Between Kempton and Hillman,	639	1,356.46	457.27
Ashland place,	East of Ashland street,	475	617.5	239.06
Bedford,	Between Cottage and Ash,	634	1,252.58	447.64
Blackmer,	Between Cottage and County,	768	1,578.41	744.86
Bonney,	Between First and County,	190	392.7	128.50
Borden,	Between Washington and Grinnell,	376	762.5	224.48
Bowditch,*	Between Bedford and Grove,	296	575.94	85.26
Campbell,	Between Bedford and Cedar Grove street,	476	988.91	263.45
Cedar Grove,*	Between Cornell place and Shawmut avenue,	265	560.68	16.94
Cornell place,*	Between Acushnet avenue and Bowditch street,	260	476.67	77.70
Cottage,	West of Bowditch,	50	191.61	61.88
Court,	Square at North,	40	131.61	71.21
First,	Square at Park,	414	837.60	194.12
First,	Between Division and Delano,	250	506.9	166.07
Florence,	Between Blackmer and Rivet,	378	763.3	297.72
Forest,	Between Kempton and North,			98.22
Foster,	Between County and Bonney,			544.
Mill,	Between Hillman and Maxfield,	272	544.	232.95
Oak,	Between Cottage street and Rockdale avenue,	3,940	8,809.78	2,863.42
Oak,	Between Dartmouth and Grape,	654	1,206.7	524.14
Orchard,	Between Grape and Allen,	528	1,261.8	418.05
Park,	Between Rotch court and Union street,	158	402.2	142.85
Park,	Between Arnold and Union,	610	1,220.	359.72
Park.	Between Union and Court,	267	601.68	219.34

Rockland,	Between Acushnet avenue and Fourth street,	184	369.	134.05
Rotch court,	Between Orchard street and Arnold place,	228	395.2	135.65
Second,	Between Division and Potomska,	1,440	2,880.8	1,124.55
Shawmut avenue,	Between Campbell and Parker,	523	1,046.	347.21
State, ⁰⁰	Between Maxfield and Campbell,	792	1,735.83	574.18
Thompson,	Between County and Crapo,	729	1,562.11	610.42
Washington,	Between Fourth and County,	329	475.2	144.67
Washington,	Between County and Crapo,	573	1,139.6	184.01
Washington,	Between Crapo and Dartmouth,	1,035	2,062.5	692.80
Weld,*	Between State and County,	185	500.58	34.30
		26,001	57,173.19	\$21,652.17

** To be rolled.

* Built with old stone.

o Begun in 1897.

oo Includes 378.83 sq. yds. rebuilt.

Cost per square yard,

Cost per foot,

Average tons of stone per sq. yd.,

\$.389

.857

.394

MACADAM REBUILT.

STREET.	LOCATION.	LENGTH.	AREA. SQ. YDS.	COST.
Allen,	Between Cottage and Rural,	3,547	6,528.49	\$2,423.69
Arnold,	Between County and Cottage,	445	941.81	529.42
Ash,	Between Hillman and Sycamore,	679	1,430.11	279.58
Ashland,	Between Robeson and Durfee,	1,173	2,358.6	574.68
Cottage,	Between Elm and Middle,	210	420	147.89
Cottage,	Between Kempton and Middle,	317	634	232.16
Cottage,	Between Kempton and Hillman,	631	1,323.51	356.46
Cottage,	Between Campbell and Parker,	565	1,100.6	256.65
County,	Between Cove and Blackmer,	1,361	4,073.34	1,450.80
County,	Between South and Grinnell,	478	1,385.98	439.94
County,	Between Walnut and Arnold,	269	717.3	249.58
County,	Between Merrimac and Linden,	1,091	3,097.68	1,044.31
County,	Between Park and Rotch street,	1,375	2,874.67	906.11
Court,	North of Rockdale avenue,	62	172.2	38.90
Dartmouth,	Between Cemetery and Hickory street,	678	797.9	213.12
Dartmouth,	Between Washington and Grinnell,	161	192	36.82
Dartmouth,	Between Ashland and Mt. Pleasant,	146	434	134.20
Durfee,	Between Grinnell and Bedford,	949	1,914.35	608.08
Fifth,*	Between Water and Second,	356	723.9	262.74
Grinnell,	Between Acushnet avenue and Fourth street,	205	410	146.92
Grinnell,	Between Fourth and Fifth,	191	371.4	123.59
Grinnell,	Between Fifth and County,	247	480.3	230.92
Maxfield,	Between Pleasant and County,	1,301	2,685.08	622.89
Middle,	Between Pleasant and County,	926	1,807.72	477.94
Mill,	Between Summer and Chestnut,	201	412.16	106.18
Mt. Pleasant,	Between Durfee and Mt. Vernon,	1,056	2,170.7	643.94

MACADAM REBUILT—Continued.

STREET.	LOCATION.	LENGTH.	AREA. SQ. YDS.	COST.
Orchard,	Between Cove road and Rivet street,	1,113	2,683.6	\$851.60
Parker,	Between Cottage and Cedar,	324	649.4	196.28
Pleasant,	Between Elm and High,	491	1,448.30	362.89
Pleasant,	Between Kempton and Mill,	155	311.8	108.90
Rivet,	Between County and Crapo,	781	2,193.08	759.64
Rivet,	Between Crapo and Orchard,	509	1,410.6	487.10
Robeson,	Between County and Ashland,	326	706.41	172.60
Russell,	Between Sixth and County,	416	808.9	240.31
School,	Between Sixth and County,	539	1,049.13	313.51
Second,	Between Howland and Griffin,	299	598	240.84
Second,	Between Spring and Union,	148	296	103.87
South,	Between Fourth and County,	189	378	99.33
Sycamore,	Between Pleasant and State,	377	764.47	204.17
Weld,	Between Purchase and Pleasant,	223	451	130.48
Wing,†	Between Fifth and County,	457	960.94	349.33
		24,967	54,166.89	\$17,158.36

*Includes 141.61 square yards new.

†Includes 131.61 square yards new.

Cost per square yard,

\$.315

Cost per foot,

.687

Average tons of stone per square yard,

.388

MACADAM REPAIRED.

Total cost,

\$1,564.20

PAVING, NEW.

STREET.	LOCATION.	BLOCK.		COBBLE.		Cost.
		Length. Feet.	Area. Sq. Yds.	Length. Feet.	Area. Sq. Yds.	
{ Acushnet av., Weld, Ash, Bowditch, Fourth, Purchase,	Between Weld and Coggeshall, Between Acushnet ave. and R. R., W. S., south of Kempton, Between Weld street and Cornell place, W. S., between Rivet and Potomska, Between Hazard and Weld,	1,519.9	4,213.6			\$10,201.33
		403.	1,099.69	80.	84.4	44.93
		1,096.1	1,250.33	932.	1,035.5	2,285.40
						386.42
		3,019.0	6,563.62	1,012.	1,119.9	3,109.63
						\$16,027.71

Total cost block paving, \$15,596.36
 Cost per square yard concrete foundation, 2.37
 Total cost cobble paving, 431.35
 Cost per square yard, .385

PAVING REPAIRED.

Cobble paving, \$1,234.14
 Cost per square yard, .303
 Block paving, 76.99

FILLING AND GRADING.

STREET.	LOCATION.	COST.
Acushnet ave.,	Between Ball's corner and Braley road,	\$3,992.38
Adams,	West of County,	485.94
Bolton Road,	North of Rockland,	234.59
Brock avenue,		7,138.22
Chancery,	Between Hawthorn and Maple,	134.32
Chancery,	Between Hillman and Maxfield,	108.89
Coffin avenue,	East of Belleville avenue,	194.80
Coffin avenue,	Between Belleville ave. and Acushnet ave.	363.97
Coggeshall,	West of County,	130.40
Cotter,	Between Cedar Grove and Coggeshall,	128.79
Cove road,	West of Brock avenue,	169.29
Deane,	Between Belleville ave. and Front street,	103.29
Dunbar,	East of Dartmouth,	266.32
First,	Between Grinnell and Howland,	1,346.51
Front,	Between Sawyer and Holly,	194.12
Front,	Between Coffin avenue and Davis street,	606.89
Front,	South of Belleville road,	207.52
Grape,	East of Brownell,	142.36
Hathaway,	Bowditch street to east of Acushnet ave.,	634.90
Hazard,	West of County,	172.70
Hemlock,	Between Rivet and Thompson,	129.43
Hemlock,	South of Rockland,	413.48
Hemlock,	North of Rockland,	585.81
Hill,	Between North and Hillman,	113.55
Hillman,	Between Park and Newton,	182.89
Holly,	Between Belleville ave. and Acushnet ave.	298.15
Holly,	West of Acushnet avenue,	1,197.00.
Howland dock		2,774.01
Jenney,	Between Kempton and North,	156.76
Keene,	Between Park and Newton,	259.63
Kenyon,		170.46
Lindsey,	North of North,	212.26
McGurk,	North of Brock avenue,	231.17
Merrimac,	Foot of,	662.91
Mill,	Between Ash and Emerson,	119.28
Mill,	Between Newton and Liberty,	222.24
Mill,	East of Florence,	131.12
Mill,	West of Rockdale avenue,	292.03
Mt. Pleasant rd	North of Hathaway road,	416.23
Newton,	Between Kempton and North,	114.81
Newton,	Between Mill and North,	360.61
North,	Between Liberty and Florence,	148.90
Orchard,	South of Thompson,	769.26
Park,	North of Arnold,	418.47
Plummer,	Between Acushnet ave. and Bowditch st.,	1,402.01
Pope's Island,		554.10
Pope,	East of Acushnet avenue,	230.34
Potomska,	Foot of,	463.22
Rivet,	West of Crapo,	127.18
Rockdale ave.,	Between Court and Kempton,	630.34

FILLING AND GRADING—*Continued.*

STREET.	LOCATION.	COST.
Sawyer,	West of County,	\$1,080.97
Scott,	West of County,	656.14
Short,	Between Grape and Allen,	153.77
Sidney,	East of Dartmouth,	313.37
South,	West of County,	532.04
Studley,	West of County,	137.62
Taber,	West of Page,	424.34
Tallman,	West of Acushnet avenue,	148.19
Tallman,	East of Bowditch street,	271.36
Tarklin Hill rd		453.46
Thompson,	West of Orchard,	153.03
Thompson,	West of Bolton road,	168.45
Tinkham,	West of Belleville avenue,	110.65
Trinity,	West of Cedar,	187.37
Valentine,	Between Brock ave. and W. French ave.,	127.61
Wall,	Foot of,	706.49
Warren,	West of Brock avenue,	112.20
Washburn,	Foot of,	755.65
Wilson,	Between Austin and Durfee,	260.49
Sundry streets	Costing less than \$100,	5,222.65
		\$42,519.70
Deducted because charged to collecting ashes,	\$9,240.70	
Deducted because charged to street cleaning,	1,784.52	
Deducted because charged to cleaning catch-basins,	1,336.85	12,362.07
		\$30,157.63

GUTTERS, NEW.

STREET.	LOCATION.	LENGTH.	AREA. SQ. YARDS.	COST.
Acushnet ave.,	West side, between Division and Delano,	248.	82.7	\$28.58
Acushnet ave.,	Both sides, between Blackmer and Rivet,	504.	168.	69.42
Acushnet ave.,	Both sides, 2178 ft. no. Phillips rd. to 1583 ft. so. Braley rd.,	14,640.	5,549.9	3,542.96
Adams,	Both sides, County street west,	1,148.	446.4	289.42
Allen,	Both sides, between Columbia and Brigham,	2,014.	671.3	299.37
Arnold,	North side, between Tremont and James,	285.	110.5	67.63
Ashland place,	North side, between Linden court and Ashland street,	491.	136.4	52.13
Ash,	Both sides, between Kempton and Mill,	355.	138.	58.74
Ash,	Both sides, between North and Hillman,	449.	149.7	85.40
Bedford,	Both sides, between Cottage and Ash,	926.	308.7	117.04
Beetle,	North side, between Front street and Acushnet avenue,	92.	30.7	16.37
Blackmer,	North side, between First street and Acushnet avenue,	1,008.	360.	153.27
Bonney,	East side, between Thompson and Rockland,	359.	119.7	44.60
Borden,	Both sides, between Bedford and Grove,	787.	262.6	116.98
Bowditch,	Both sides, between Cornell place and Cedar Grove street,	582.	194.	134.70
Bowditch,	East side, between Coffin avenue and Davis street,	312.	104.	33.47
Brock avenue,	Both sides, between George street and W. French avenue,	2,428.	944.3	457.45
Campbell,	South side, between Cedar street and Shawmut avenue,	955.	318.4	106.84
Cedar Grove,	Both sides, between Acushnet avenue and Bowditch street,	470.	156.6	64.62
Cedar Grove,	South side, west of Bowditch,	384.	128.	60.08
Chancery,	West side, Kempton street south,	145.	56.4	22.28
Chestnut,	Both sides, between Locust and Robeson,	1,071.	372.7	177.85
Clark,	Both sides, between Purchase and State,	767.	298.3	112.98
Clinton,	South side, between Cottage and Ash,	216.	72.	32.00
Coffin avenue,	Both sides, between Belleville avenue and Acushnet ave.,	2,056.	799.5	399.75

GUTTERS, NEW—*Continued.*

STREET.	LOCATION.	LENGTH.	AREA. SQ. YARDS.	COST.
Columbia,	East side, between Bay and Allen,	232.	77.3	\$35.16
Cornell place,	Both sides, Bowditch street west,	530.	176.7	109.48
County,	Both sides, between Cove and Division,	1,127.	375.7	217.48
County,	West side, across Merrimac,	46.	35.8	15.69
County,	West side, Sawyer street north,	144.	64.0	26.21
Crapo,	East side, between Independent and Rivet,	159.	53.0	23.07
Crapo,	North side, between Rivet and Thompson,	186.	62.0	40.43
Davis,	East side, between Acushnet ave. and Bowditch street,	245.	81.7	42.79
Deane,	Both sides, between Belleville avenue and Front street,	1,169.	454.6	311.48
Elm,	North side, across Rounds,	30.	23.3	9.60
Elm,	Both sides, between Palmer and Reed,	949.	490.7	183.58
Fair,	Both sides, between Sears and Dartmouth,	574.	191.3	72.89
First,	Both sides, between Division and Delano,	531.	177.	90.83
First,	Both sides, between Howland and Grinnell,	1,079.	359.7	190.93
Florence,	East side, between Kempton and North,	345.	134.1	56.08
W. French ave.,	East side, between Brook avenue and Social street,	236.	78.7	37.30
Front,	Both sides, between Coggeshall and Sawyer,	1,300.	476.4	215.36
Harmony,	East side, between Social street and Brook avenue,	360.	120.0	63.91
Hazard,	Both sides, between County and Ashland,	911.	303.6	137.74
Hemlock,	Both sides, between Thompson and Rockland,	585.	195.	76.87
Independent,	Both sides, between County and Crapo,	1,519.	506.7	272.95
James,	West side, between Union and Court,	248.	82.7	38.49
Locust,	South side, between Chestnut and Cedar,	341.	121.5	57.65
McGurk,	East side, across Ruth,	39.	39.0	13.25
McGurk,	West side, between Ruth and Social,	330.	110.	57.74

GUTTERS, NEW—Continued.

STREET.	LOCATION.	LENGTH.	AREA. SQ. YARDS.	COST.
Merrimac,	South side, east of Summer,	59.	19.8	\$4.64
Merrimac,	Both sides, between County and Summer,	779.	259.6	74.55
Merrimac,	Both sides, between Summer and Chestnut,	450.	150.	106.88
Merrimac,	Both sides, between Chestnut and Cottage,	449.	149.7	61.72
Mill,	Both sides, between Ash and Newton,	2,282.	760.7	406.05
Mill,	Both sides, between Newton and Florence,	2,573.	1,014.8	248.75
Mill,	Both sides, across Hunter,	35.	27.7	6.17
Mill,	South side, across Beech street and Rockdale avenue,	2,290.	889.8	428.13
Mill,	North side, across Summit,	35.	27.7	6.80
Mill,	North side, between Kempton and Mill,	168.	65.3	29.00
Newton,	West side, between Florence,	102.	34.0	22.93
North,	North side, west of Dartmouth and Harrison,	233.	88.9	49.52
Oak,	Both sides, between Grape and Allen,	1,094.	422.	196.76
Orchard,	Both sides, between Rutch court and Union street,	506.	168.6	64.58
Park,	Both sides, between Union and Court,	375.	145.9	66.64
Robeson,	Both sides, between Ashland and Cottage,	767.	255.7	126.37
Rockland,	Both sides, across Henlock,	37.	30.8	4.80
Rotch court,	South side, between Orchard street and Arnold place,	524.	174.7	57.47
Ruth,	Both sides, between McGurk street and Brock avenue,	60.	23.3	6.00
Sawyer,	Both sides, County west,	1,321.	513.7	317.77
Second,	Both sides, between Division and Potomska,	2,202.	733.5	281.85
Shawmut ave.,	East side, between Campbell and Willis,	229.	76.3	33.81
State,	West side, between Maxfield and Sycamore,	303.	101.	38.82
Studley,	Both sides, between County and Ashland,	1,090.	363.3	142.89
Summer,	East side, north of Merrimac,	197.	65.7	15.51

GUTTERS, NEW—*Continued.*

STREET.	LOCATION.	LENGTH.	AREA. SQ. YARDS.	COST.
Summer, Thompson, Thompson, Tremont, Union,	West side, between Merrimac and Robeson, South side, between County and Crapo, South side, across Hyacinth, West side, Arnold north, North side, between James street and Rotch court,	260.	86.7	\$35.80
		688.	219.3	89.01
		32.	32.	15.88
		44.	17.1	10.44
		95.	31.8	12.81
		65,186.	23,718.7	\$11,903.24

Cost per square yard, \$.501
 Cost per foot length and average width, .182

GUTTERS REPAIRED.

Total cost,	\$1,502.05
Length in feet,	8,979.4
Area in square yards,	3,075.9
Cost per foot,	.096
Cost per square yard,	.281

CURBING, NEW.

STREET.	LOCATION.	LENGTH. Feet.	COST.
Acushnet avenue,	West side, between Division and Delano,	63.3	\$26.14
Acushnet avenue,	Northeast and northwest corners Blackmer,	25.	14.36
Acushnet avenue,	East side, between Blackmer and Rivet,	325.	132.87
Acushnet avenue,	West side, between Washburn and Cedar Grove,	203.7	84.94
Acushnet avenue, x	West side, between Cedar Grove and Coggeshall,	497.3	236.13
Allen,	West side, between Lund's Corner and Braley road,	840.4	441.95
Allen,	Both sides, between Dartmouth and Cottage,	557.	216.99
Allen,	South side, between Columbia and Page,	77.	37.99
Allen,	Southeast and southwest corners Page,	25.	15.47
Allen,	South side, between Page and Short,	78.7	35.62
Allen,	Southeast corner Short,	12.5	7.73
Arnold place,	South side, west of Short,	68.2	29.59
Arnold,	West side, between Arnold street and Rotch court,	70.3	31.44
Ashland place,	South side, between Arch and Ash,	66.6	28.57
Ashland,	North side, between Linden court and Ashland street,	445.5	230.97
Ashland,	Southwest corner Robeson,	12.5	7.79
Ashland,	East side, south of Studley,	51.5	25.68
Ashland,	East side, north of Studley,	77.5	35.39
Ashland,	Both sides, between Durfee and Weld,	543.4	243.51
Ashland,	Both sides, between Weld and Clark,	719.3	377.24
Atlantic,	West side, between Clinton and Arnold,	264.9	112.83
Bedford,	North side, between Cottage and Borden,	60.7	27.17
Beetle,	South side, between Howard street and Acushnet avenue,	133.6	58.39
Belleville avenue,	West side, north of Deane,	65.2	28.77
Blackmer,	North side, between First and Second,	113.6	60.99
Borden,	Both sides, between Bedford and Grove,	245.9	112.73
Bowditch,	West side, between Weld street and Cornell place,	353.	157.88

CURBING, NEW—Continued.

STREET.	LOCATION.	LENGTH. Feet.	COST.
Bowditch,	West side, between Cedar Grove and Coggeshall,	90.1	\$45.17
Brock avenue,	Southeast and southwest corners Warren,	25.	14.62
Brock avenue,	Southeast corner Ruth,	12.5	6.28
Brock avenue,	Northeast and northwest corners McGurk,	25.	11.43
Brock avenue,	North side, between McGurk and Harmony,	44.	17.17
Brock avenue,	Northeast and northwest corners Harmony,	25.	15.03
Brock avenue,	Southeast and northeast corners W. French avenue,	25.	15.23
Campbell,	Both sides, between Cedar street and Shawmut avenue,	881.7	392.39
Cedar,	East side, between Kempton and Mill,	85.5	40.01
Cedar Grove,	North side, west of Bowditch,	123.	56.73
Chancery,	Both sides, between Hawthorn and Union,	1,677.1	733.04
Chestnut,	Both sides, between Parker and Locust,	592.2	280.22
Chestnut,	Southeast corner Merrimac,	12.5	7.72
Chestnut,	Northwest corner Merrimac,	12.5	7.33
Chestnut,	Southwest corner Merrimac,	12.5	7.32
Chestnut,	Both sides, between Merrimac and Robeson,	416.2	201.32
Chestnut,	Both sides, between Purchase and State,	430.7	186.80
Clark,	Both sides, between State and County,	175.5	74.33
Clark,	South side, between County and Orchard,	273.	127.67
Clinton,	South side, between Cottage and Ash,	200.9	102.43
Clinton,	East side, between Bay and Allen,	195.8	86.98
Columbia,	Both sides, west of Bowditch,	484.1	172.96
Cornell place,	East side, between Parker and Locust,	150.	67.88
Cottage,	West side, between Locust and Merrimac,	104.2	44.69
Cottage,	East side, between Cove and Division,	516.6	232.72
County,	West side, between Scott and Nelson,	48.	21.97
County,	Both sides, between Jouvette and Katharine,	824.6	375.81

County,	East side, between Blackmer and Rivet,	158.2	\$69.06
County,	West side, between Independent and Rivet,	142.6	71.43
County,	East side, between Rivet and Thompson,	305.2	134.53
County,	Northwest and southwest corners South,	25.	16.50
Crapo,	East side, between Independent and Rivet,	139.5	56.79
Crapo,	East side, between Rivet and Thompson,	186.2	79.65
Deane,	North side, west of Belleville avenue,	61.5	25.57
Elm,	Both sides, between Florence and Rounds,	300.7	125.00
Elm,	Both sides, between Rounds and Palmer,	215.3	94.87
Elm,	Southeast and southwest corners Palmer,	25.	15.07
Fair,	Both sides, between Palmer and Reed,	434.7	198.75
Fair,	Southwest corner Hemlock,	12.5	6.55
Fifth,	Both sides, between Sears and Dartmouth,	510.7	216.80
First,	East side, between Russell and Madison,	13.	5.87
First,	West side, between Division and Delano,	142.5	60.95
First,*	West side, between Blackmer and Potomska,	25.6	11.99
Fourth,	Both sides, between Grinnell and Howland,		149.44
W. French avenue,	West side, between Rivet and Thompson,	397.4	159.27
Front,	East side, between Brock avenue and Social street,	207.4	96.57
Front,	Both sides, between Coggeshall and Beetle,	408.7	175.43
Front,†	Square at Beetle,	50.	29.12
Front,	Both sides, between Beetle and Sawyer,	366.	171.98
Harmony,	Southeast and southwest corners Sawyer,	25.	14.36
Hazard,	East side, between Brock avenue and Social street,	35.5	15.85
Hazard,	North side, between County and Ashland,	91.7	44.96
Hemlock,	Southwest corner County,	12.5	7.64
Hillman,	Both sides, between Thompson and Rockland,	580.	239.64
Hillman,	South side, between Chancery and Park,	50.7	24.04
Independent,	Both sides, between Hunter street and Rockdale avenue,	321.1	162.79
Kempton,	Both sides, between County and Crapo,	1,214.1	479.28
Locust,	North side, between Cottage and Cedar,	51.	29.39
Locust,	Southwest corner Homer,	12.5	6.88
Locust,	South side, between Homer and Cedar,	94.0	51.51

CURBING, NEW — *Continued.*

STREET.	LOCATION.	LENGTH. Feet.	COST.
Locust,	North side, between Richmond street and Shawmut avenue,	41.1	\$19.37
Maxfield,	North side, between Pleasant and State,	48.0	19.80
Maxfield,	South side, west of Park,	44.7	21.00
McGurk,	Northeast corner Ruth,	12.5	8.15
McGurk,	East side, between Ruth street and Brook avenue,	29.2	13.39
McGurk,	West side, between Ruth and Social,	330.8	141.10
Merrimac,	South side, between County and Summer,	46.3	22.38
Merrimac,†	Both sides, between Summer and Chestnut,	262.9	115.05
Merrimac,	Both sides, between Chestnut and Cottage,	113.7	45.95
Mill,	Southwest corner Cedar,	12.5	7.06
Mill,	Southwest corner Ash,	12.5	7.74
Mill,	Southwest corner Ash,	12.5	7.92
Mill,	Northwest corner Ash,	12.5	7.99
Mill,	Square at Emerson,	50.0	31.61
Mill,	Northwest corner Newton,	12.5	7.59
Mill,	Both sides, between Newton and Liberty,	118.6	50.66
Mill,	Southeast and northeast corners Florence,	25.	15.66
Mill,	Southeast, northeast and northwest corners Hunter,	37.5	22.11
Mill,	Southwest, northeast and northwest corners Beech,	37.5	20.31
Mill,	Southeast, southwest and northeast corners Summit,	37.5	22.31
Mill,	Southeast corner Weld,	12.5	6.75
Mt. Pleasant,	East side, between Weld and Mt. Vernon,	655.7	284.16
Mt. Pleasant,	Both sides, between Kempton and Mill,	252.3	105.38
Newton,	Northwest corner Mill,	12.5	6.75
Newton,	West side, between Mill and North,	87.2	35.14
Newton,	Northeast corner Harrison,	12.5	7.08
Oak,	Northeast corner Clay,	12.5	7.28

Oak,	Both sides, between Grape and Allen,	917.5	\$403.04
Orchard,	Both sides, between Rotch court and Union street,	327.9	152.31
Palmer,	Both sides, between Court and Elm,	92.9	43.09
Park,	West side, between Arnold and Union,	39.7	20.52
Park,	Northwest corner Union,	12.5	4.50
Park,	Southwest corner Court,	12.5	6.55
Park,	Both sides, between Mill and North,	307.2	127.37
Park,	Both sides, between North and Hillman,	249.7	101.49
Park,	West side, between Keene and Maxfield,	77.8	37.38
Parker,	South side, between Cedar street and Shawmut avenue,	403.4	175.95
Phillips avenue,	South side, between Chaucery street and Shawmut avenue,	219.0	103.45
Pleasant,	North side, between Acushnet avenue and Bowditch street,	27.2	12.21
Pope,	East side, between Merrimac and Hazard,	301.2	130.73
Reed,	South side, between Summer and Chestnut,	91.7	39.13
Richmond,	West side, between Elm and Kempton,	45.0	19.32
Rivet,	Both sides, between Parker and Locust,	167.1	74.69
Rivet,	Both sides, between County and Crapo,	1,052.9	466.62
Robeson,	North side, between Crapo and Bonney,	42.	17.16
Rotch court,	North side, between Cottage and Ashland,	157.8	67.59
Rounds,	Both sides, between Orchard and Arnold place,	276.	118.71
Ruth,	Both sides, between Elm and Kempton,	618.8	262.68
Sawyer,	Northwest corner McGurk,	12.5	7.41
Second,	South side, between Acushnet avenue and Bowditch street,	57.0	25.57
Second,	East side, between Division and Delano,	251.2	104.04
Second,	West side, between Delano and Blackmer,	97.7	36.61
Second,	Both sides, between Blackmer and Rivet,	320.9	159.53
Shawmut avenue,	West side, between Rivet and Potomska,	305.2	126.74
Shawmut avenue,	East side, between Campbell and Willis,	158.2	75.95
Short,	East side, between Willis and Parker,	204.5	87.57
Short,	Northeast corner Grape,	12.5	6.95
Studley,	West side, between Grape and Allen,	437.4	196.37
Summer,	Both sides, between County and Ashland,	319.5	146.64
	East side, between Locust and Merrimac,	52.	21.90

CURBING, NEW—*Continued.*

STREET.	LOCATION.	LENGTH. Feet.	COST.
Summer, Thompson, Washington, Willis,	Both sides, between Merrimac and Robeson,	99.5	\$43.09
	South side, between Fourth and County,	136.0	64.73
	North side, between Fourth and County,	330.7	157.99
	Both sides, between Chancery street and Shawmut avenue.	444.	190.96
		31,097.20	\$14,108.14

xLaid on the fence line.

*Stone charged 1897.

†Includes 126.4 feet old stone.

‡Includes 116.3 feet old stone.

Cost per foot,	\$.448
Cost per foot of stone,	.30
Cost per foot of labor,	.148
Cost curbing new with old stone,	.43
Length feet curbing new with old stone,	777.55
Total cost new curbing,	\$14,441.49

CURBING RELAID.

Total cost,	\$377.10
Cost per foot relaid with new stone,	.441
Cost per foot relaid with old stone,	.098
Length feet curbing relaid with new stone,	1,154.65
Length feet curbing relaid with old stone,	1,493.45

CONCRETE, NEW.

STREET.	LOCATION.	AREA. Square Yards.	COST.
Acushnet avenue.	East side, between Rivet and Potomska,	177.60	\$72.18
Acushnet avenue.	West side, between Rivet and Potomska,	233.31	90.92
Ash,	West side, north of North,	51.40	18.82
Beech,	East side, north of Kempton,	70.60	23.66
Blackmer,	North side, east of Second,	148.24	63.76
Bowditch,	East side, north of Weld,	79.36	31.29
Campbell,	East side, between Phillips avenue and Plummer avenue,	213.67	76.24
Cedar Grove.	North side, east of Shawmut avenue,	39.54	14.82
Cedar,	South side, west of Bowditch,	309.47	118.25
Chestnut,	East side, north of Kempton,	56.78	18.60
Chestnut.	East side, south of Pope,	48.54	18.95
Cottage,	West side, south of Locust,	275.05	88.08
County,	East side, north of Parker,	216.06	80.84
Elm,	West side, between Studley and Austin,	184.05	70.57
First,	South side, east of Palmer,	58.72	18.70
Grinnell,	West side, north of Blackmer,	92.82	25.68
Hillman,*	North side, east of Orchard,	8.52	2.73
Hillman,*	South side, between Purchase and Pleasant,	39.89	
Kempton,	North side, west of Purchase,	23.09	30.50
Kempton,	South side, west of Purchase,	68.32	18.17
Kempton,	North side, east of Cedar,	43.32	16.72
Kempton,	North side, east of Beech,	67.65	15.12
Locust,	North side, west of Richmond,	38.07	30.76
Maitland,*	South side, west of Richmond,	101.05	43.58
Maxfield,*	South side, west of Purchase,	43.58	
Maxfield.	North side, east of State,	105.30	38.30

CONCRETE REPAIRED.

Total cost,	\$999.33
Area in square yards rebuilt,	2,215.9
Cost per square yard,	\$.371
Area in square yards, topcoat,	219.8
Cost per square yard,	\$.264

RECAPITULATION—HIGHWAYS AND STREETS.

GROSS EXPENDITURES.

Macadam, new,	\$21,652.17
Macadam, rebuilt,	17,158.36
Macadam, repaired,	1,564.20
Filling and grading,	30,157.63
Curbing, new,	14,441.49
Curbing, relaid,	377.10
Gutters, new,	11,903.24
Gutters, repaired,	1,502.05
Concrete sidewalks, new,	1,821.92
Concrete sidewalks, repaired,	999.33
Gravel and cinder sidewalks,	6,099.03
Paving, new,	16,027.71
Paving, repaired,	1,311.13
Flagging, repaired,	1,691.61
Granolithic walk, Cottage street, between Arnold and Union streets,	60.88
Crosswalks, new and repaired,	553.72
Bicycle track, Acushnet avenue, north of Braley road,	138.23
Bank wall, East and West French avenue,	131.13
Building wall, Acushnet avenue, north of Nye's lane,	834.97
Building wall, Shawmut avenue, north of Plainville road,	40.50
Building wall, Chancery street, north of Hawthorn,	105.83
Collecting ashes,	9,976.42
Sweeping and cleaning streets,	9,106.06
Filling holes in streets,	993.60
Removing snow and ice,	7,422.25
Sanding icy sidewalks,	222.44
Picking up small stones,	33.44
Carting stock to city yard,	207.38
Labor handling stock,	380.81
Stable yard work,	480.83
Repairing city yard,	39.12
Stable office expenses and salaries,	2,329.23
Main office expenses and salaries,	5,327.35
Janitor,	260.00
Registration clerk,	70.35

Advertising,	17.47
Carriage hire,	78.15
Tools, new and repaired,	718.45
Pumps repaired,	21.20
Sundry small repairs,	133.75
Road scrapers repaired,	42.47
Fences, new and repaired,	85.52
New portable crusher, engine and boiler,	2,603.85
New screen for centre crusher,	915.33
Sand pocket, centre crusher,	325.54
Printing and binding reports,	28.22
Bills for appraising damages,	180.60
Printing and binding time-books, etc.,	287.30
Guide boards and street signs,	100.13
Twine, rope, grade line, etc.,	99.66
Wharfage on curbing and crosswalks,	585.00
Lanterns, tapes, etc.,	109.73
Miscellaneous items,	558.53
Half holiday,	3,406.66
Stock, labor and teaming, charged at cost,	15,214.96
Stock on hand December 4, 1898,	8,186.95

\$199,120.98

CR.

Appropriation,	\$132,000.00
Special appropriation,	43,000.00
Transferred from Unappropriated Funds,	10,438.60
Stock on hand, December 6, 1897,	7,347.76
Transferred to balance,	6,334.62
	\$199,120.98

NET EXPENDITURES—HIGHWAYS AND STREETS.

Appropriation,	\$132,000.00
Special appropriation,	43,000.00
Transfer to balance,	6,334.62
	\$181,334.62

HIGHWAYS AND STREETS.

CENTRE CRUSHER.

4,334 tons of stone, at 38.82 cents per ton.

26,060 tons of stone, at 47.37 cents per ton.

30,394 tons of stone crushed at an average cost of 21.72 cents per ton exclusive of the cost of the stone.

PORTABLE CRUSHERS.

ACUSHNET AVENUE NORTH OF NYE'S LANE.

10,358 tons of stone, at 45.32 cents per ton.

10,358 tons of stone crushed, at an average cost of 21.24 cents per ton exclusive of the cost of the stone.

DUNBAR STREET WEST OF BOLTON ROAD.

4,729 tons of stone, at 51.47 cents per ton.

6,288 tons of stone, at 45.42 cents per ton.

11,017 tons of stone crushed, at an average cost of 21.33 cents per ton exclusive of the cost of the stone.

STABLE AND TEAMING ACCOUNT.

Stock on hand, December 6, 1897, (horses, teams, harnesses, hay, straw, grain, etc.,)	\$13,829.33
Gross cost for 1898,	<u>36,564.28</u>
	\$50,393.61
Received from Water Works, (board of horses,) \$832.00	
Received for stable dressing,	515.48
Received for pigs,	52.00
Received from sundry persons,	35.75
Stock on hand, December 4, 1898,	<u>12,329.75</u>
	\$13,764.98
Cost of teaming, (including repairs of carts and buildings,)	36,628.63
Charge for work teams have done,	33,624.18

DEPARTMENT HORSES.

Working horses,	40
Driving horses,	3
Total,	43

CARTS IN USE.

Double carts,	16
Single carts,	15
Express wagons,	4
Total,	35

EXTRA CARTS, ETC.

Sundown,	1
Light driving wagons,	3
Open buggy,	1
Goddard buggy,	1
Water carts,	2
Jigger,	1
Single gear,	1
Derrick gears,	2
Sleighs,	2
Road scrapers,	2
Street sweeper,	1

BLACKSMITH SHOP.

Stock on hand, December 6, 1897,	\$1,574.33
Gross cost for 1898,	3,609.58
	\$5,183.91
Charged to sewers,	\$702.38
General sewers,	493.33
Sundry persons and departments,	207.93
Stock on hand, December 4, 1898,	1,275.81
	\$2,679.45
Cost of blacksmithing to highways and streets,	2,504.46

PERMITS GRANTED BY THE BOARD IN 1898,
ARE AS FOLLOWS:

Obstructing sidewalks,	131
Disturbing the surface of the streets,	98
Locations for poles,	10
Signs,	49
Hitching posts,	40
Awnings,	2
Flag poles,	19
Flags,	7
Planting trees,	29
Building obstructions,	8
Moving buildings,	40
Barbers' poles,	2
Drains,	417
	852

HIGHWAYS AND STREETS.

	1893.	1894.	1895.	1896.	1897.	1898.
Macadam, new,	\$17,043.81	\$8,980.70	\$15,120.72	\$14,939.84	\$26,095.02	\$21,652.17
Macadam, repaired,	4,444.94	4,486.72	5,892.34	529.48	1,289.19	1,564.20
Macadam, rebuilt,	4,910.70	11,055.19	5,778.19	17,245.91	6,776.42	17,158.36
Streets filled and graded,	26,564.34	19,771.51	13,702.96	17,802.55	29,286.35	30,157.63
Curbing, new and relaid,	9,405.93	4,364.89	7,433.42	12,652.55	14,471.13	14,818.59
Gutters, new,	3,034.17	1,758.75	4,486.01	7,577.69	7,633.08	11,903.24
Gutters, repaired,	1,978.86	3,238.71	901.36	1,946.53	778.87	1,502.05
Concrete sidewalks, new,	2,596.76	2,288.84	3,142.06	4,194.62	4,018.96	1,821.92
Concrete sidewalks, repaired,	2,252.86	1,987.82	860.38	830.20	1,313.32	999.33
Gravel and cinder sidewalks,	8,202.82	4,965.23	6,286.95	4,355.31	5,109.00	6,099.03
Paving, new,	18,540.33	2,806.81	8,456.51	4,908.79	12,573.83	16,027.71
Paving, repaired,	7,557.33	7,934.11	3,182.74	3,124.82	3,299.17	1,311.13
Flagging, repaired,	4,380.69	2,522.48	1,503.05	1,515.99	1,412.64	1,691.61
Crosswalks, new and repaired,	1,911.41	1,269.94	1,946.47	804.56	569.73	553.72
Sweeping and cleaning streets,	8,247.18	7,002.15	7,409.40	5,176.86	11,250.60	9,106.06
Removing snow and ice,	2,313.98	334.98	479.23	2,009.17	1,697.33	7,422.25
Collecting ashes,	8,311.53	7,515.43	8,201.74	8,722.80	8,998.60	9,976.42
Trimming trees,	725.45	743.56	446.99	372.03	507.70	809.00
Filling holes in streets,	780.51	1,000.14	766.09	614.80	1,321.03	993.60

HIGHWAYS AND STREETS.

MACADAM.		1893.	1894.	1895.	1896.	1897.	1898.
New:—							
Length in feet,		9,229	5,751	*15,871	17,995	24,364	26,458
Area in square yards,		23,498	12,306	34,506	38,829	39,058	58,134.13
Tons of stone used,		11,474	6,765	11,770	14,405	24,092	22,044
Total cost,		\$17,043.81	\$8,980.00	\$15,120.72	\$14,939.84	\$26,095.02	\$21,652.17
Cost per square yard,		\$.725	\$.633	\$.438	\$.384	\$.441	\$.389
Average ton of stone, used per sq. yd.,		.488	.466	.341	.371	.408	.394
Rebuilt:—							
Length in feet,		4,395	10,992	6,230	21,808	9,139	24,510.00
Area in square yards,		8,804	22,142	13,014	43,019	19,375	53,205.95
Tons of stone used,		3,137	8,588	4,689	15,486	6,304	16,843
Total cost,		\$4,910.70	\$11,055.00	\$5,778.19	\$17,245.91	\$6,776.42	\$17,158.36
Cost per square yard,		\$.557	\$.499	\$.433	\$.40	\$.35	\$.315
Average tons of stone used per sq. yd.,		.356	.387	.359	.36	.325	.388
Repaired:—							
Total cost,		\$4,445.00	\$4,486.00	\$5,892.34	\$529.48	\$1,289.19	\$1,564.20

HIGHWAYS AND STREETS.

PAVING.	1893.	1894.	1895.	1896.	1897.	1898.
Granite block on gravel :— Area in square yards, Cost, Cost per square yard,	7,406 \$16,037.52 \$2.165	1,445 \$2,677.64 \$2.049	1,447 \$2,992.45 \$2.067	30 \$55.34 \$1.854		
Granite block, concrete foundation : Area in square yards, Cost, Cost per square yard,			1,389 \$4,361.47 \$3.138	1,242 \$3,117.58 \$2.51	3,743 \$8,593.77 \$2.295	6,563.62 \$15,596.36 \$2.37
Block Asphalt :— Area in square yards, Cost, Cost per square yard,					1,088 \$2,807.88 \$2.58	
Cobble :— Area in square yards, Cost, Cost per square yard,	5,719 \$2,290.90 \$2.405	401 \$129.17 \$3.366	2,632 \$1,102.59 \$4.18	3,679 \$1,074.16 \$2.92	3,314 \$1,172.18 \$3.54	1,119.9 \$431.35 \$3.85

HIGHWAYS AND STREETS.

GUTTERS.	1893.	1894.	1895.	1896.	1897.	1898.
New:—						
Length in feet,	11,560	11,233	23,747	39,760	40,884	65,186
Average width,	3.93	3.94	3.47	3.30	3.4	3.3
Area in square yards,	5,055	4,929	9,153	15,715	15,448	23,718.88
Cost,	\$3,034.17	\$2,720.94	\$4,486.01	\$7,577.69	\$7,633.08	\$11,903.234
Cost per square yard,	.60	.552	.497	.482	.489	.501
Cost per foot in length, of average [width,	.262	.242	.192	.19	.185	.182
Repaired:—						
Length in feet,	17,111	17,728	6,375	8,088	2,211	8,979.4
Area in square yards,	6,759	6,744	2,517	3,093	774	3,075.9
Cost,	\$1,978.86	\$2,576.52	\$901.36	\$1,946.53	\$778.87	\$1,502.05
Cost per square yard,	.292	.322	.257	.384	.305	.281
Cost per foot in length,	.115	.128	.141	.147	.107	.096

HIGHWAYS AND STREETS.

CURBING.	1893.	1894.	1895.	1896.	1897.	1898.
New:						
Length,	9,076	4,193	11,040	23,583	27,429	31,097.20
Cost,	\$5,906.80	\$2,684.38	\$6,662.44	\$11,973.77	\$13,152.64	\$14,108.14
Cost per foot,	.65	.64	.603	.51	.481	.448
Cost of stone per foot,	.48	.47	.43	.35	.325	.30
Cost per foot for labor,	.17	.17	.173	.16	.156	.148
Relaid with new curbing:—						
Length,	3,105	1,855	1,077	301	1,024	1,154.65
Cost per foot,	\$82	\$686	\$619	\$512	\$52	\$441
Relaid with old curbing:—						
Length,	9,063	2,023	521	3,099	1,657	1,493.45
Cost per foot,	\$118	\$117	\$93	\$115	\$139	\$98

HIGHWAYS AND STREETS.

CONCRETE.	1893.	1894.	1895.	1896.	1897.	1898.
New :—						
Area in square yards,						
Cost,	5,355	4,901	7,431	11,323	9,742	6,449.
Cost per square yard,	\$2,596.76	\$2,288.84	\$3,142.06	\$4,194.62	\$4,018.96	\$1,821.92
	.485	.478	.422	.374	.422	.358
Rebuilt :—						
Area in square yards,						
Cost	2,774	1,982	1,451.87	1,255	3,257	2,215.
Cost per square yard,	\$.423	\$.441	\$.355	\$.292	\$.311	\$.371
Topcoat :—						
Area in square yards,						
Cost	3,589	4,495	1,024.76	697	579	219.
Cost per square yard,	\$.231	\$.19	\$.219	\$.249	\$.256	\$.264

LAYOUT OF BONNEY STREET.

Rivet street, southerly.

Award of damages, \$300.00

CR.

Appropriation, \$300.00

WIDENING BROCK AVENUE.

Award of damages, \$40.00

CR.

Appropriation, \$40.00

LAYOUT OF HATHAWAY STREET.

Acushnet avenue to Belleville avenue.

Award of damages, \$214.20

CR.

Appropriation, \$214.20

WIDENING KEMPTON STREET.

Reed street to Rockdale avenue.

Award of damages, \$251.40

CR.

Appropriation, \$251.40

LAYOUT OF ORCHARD STREET.

Rivet street to Rockland street.

Award of damages, \$200.00

CR.

Appropriation, \$200.00

LAYOUT OF PALMER STREET.

Court street to Elm street.

Award of damages, \$675.50

CR.

Appropriation, \$675.50

WIDENING OF PURCHASE STREET.

Kempton street to Mill street.

Award of damages, \$11,398.00

Putting street in repair, 508.93

————— \$11,906.93

	CR.	
Appropriation,		\$13,398.00
Expended,		11,906.93
Carried forward to 1899,		\$1,491.07

WIDENING OF PURCHASE STREET.

Mill street to North street.

Award of damages,	\$19,013.00	
Putting street in repair,	717.83	
		\$19,730.83
	CR.	
Appropriation,		\$21,013.00
Expended,		\$19,730.83
Carried forward to 1899,		\$1,282.17

WIDENING OF PURCHASE STREET.

North street to Maxfield street.

Award of damages,	\$34,178.75	
Putting street in repair,	1,296.67	
		\$35,475.42
	CR.	
Appropriation,		\$38,178.75
Expended,		35,475.42
Carried forward to 1899,		\$2,703.33

WIDENING ROCKDALE AVENUE.

From Dartmouth street westerly.

Award of damages,		\$1,011.04
	CR.	
Appropriation,		\$1,011.04

COGGESHALL STREET BRIDGE.

Labor opening draw,	\$73.40	
Repairing and oiling,	82.12	
		\$155.52
	CR.	
Appropriation,		\$400.00
Expended,		\$155.52
Transferred to balance,		\$244.48

NEW BEDFORD AND FAIRHAVEN BRIDGE.

Salaries of drawtender and assistant,	\$1,119.19	
Repairs,	633.46	
Paving,	18.26	
Coal, oil and salt,	15.20	
Carting paving,	114.49	
Hose and snow shovel,	10.85	
Screenings for driveway,	13.92	
		\$1,925.37
	C.R.	
Appropriation,		\$2,100.00
Expended,		\$1,925.37
Transferred to balance,		\$174.63

DRAINS LAID.

NUMBER.	SIZE PIPE.	LENGTH. FEET.	COST.	AVERAGE COST PER FOOT.
118	5 inch	3,312	\$1,332.55	\$.402
97	6 inch	3,602	1,809.70	.502
2	8 inch	110	83.54	.759
1	12 inch	154	78.71	.511
218			\$3,304.50	

59 drains repaired, cost, \$410.81

210 drains cleared, cost, 522.02

Total cost of drains, new, repaired and cleared, 4,237.33

CATCH-BASINS, NEW.

Cost,	\$3,056.18
*Number,	57
Average cost,	\$58.25
Catch-basins discontinued,	3

*Cost of 1 incomplete. Cost of 4 under Purchase street widening.

RECAPITULATION—GENERAL SEWERS.

GROSS EXPENDITURES.

Catch-basins, built,	\$3,056.18	
Catch-basins, repaired,	101.55	
Catch-basins, discontinued,	13.10	
Manholes, new (2),	62.40	
Manholes, repaired,	34.54	
Eyeholes, repaired,	15.80	
Culverts and surface drains, new and repaired,	652.41	
Sewer construction,	3,154.26	
Sewers repaired,	343.10	
Office expenses and salaries,	1,934.11	
Half-holiday,	943.27	
Tools, new and repaired,	220.12	
Tool-houses, repaired,	6.14	
Catch-basins, cleaned,	2,719.74	
Catch-basins, flushed,	24.20	
Eyeholes and culverts, cleaned,	46.00	
Carting stock to city yard,	121.00	
Blacksmithing,	416.92	
Teaming,	10.50	
Flushing and clearing sewers,	174.46	
Repairs to steam drills,	359.85	
Repairs to steam pump,	4.01	
Repairs to diaphragm pump,	27.07	
Marline, brush, etc.,	82.86	
Hose and couplings,	43.66	
Labor, handling stock at city yard,	42.04	
Boilers repaired,	80.59	
Registration clerk,	70.36	
Stock furnished at cost,	3,279.27	
Drains, new, repaired, and cleared,	4,237.33	
General repairs,	59.41	
Miscellaneous items,	50.16	
Rebate on sewer assessments,	29.77	
Stock on hand, December 4, 1898,	1,285.42	
		\$23,701.60
CR.		
Appropriation,	\$16,000.00	
Transferred from Unappropriated Funds,	5,423.51	
Stock on hand, December 6, 1897,	1,385.21	
Transferred to balance,	892.88	
		\$23,701.60

NET EXPENDITURES—GENERAL SEWERS.

Appropriation,	\$16,000.00	
Transferred to balance,	892.88	
		\$16,892.88

NEW SEWERS.

Sundry sewers built,		\$22,563.34
	Cr.	
Amount brought forward from 1897,		\$2,351.72
Sundry appropriations,		26,805.91
		\$29,157.63
Expended,		22,563.34
Transferred to Unappropriated Funds,		\$6,594.29

FRANCHISE GRANTED TO THE UNION STREET
RAILWAY COMPANY.

IN BOARD OF PUBLIC WORKS.

NEW BEDFORD, MASS., May 27, 1898.

Union Street Railway Company, petitioner for acceptance and filing of certain plans, and for a ratification and confirmation of locations of tracks and poles heretofore granted, to conform with said plans, and for authority to locate, alter and extend its tracks, in accordance with said plans.

Union Street Railway Company, petitioner for authority to extend and alter the location and position of its tracks on the bridge highway over the Acushnet river, from the easterly line of Front street easterly to the boundary line between the city of New Bedford and the town of Fairhaven, in accordance with the plan accompanying said petition.

Union Street Railway Company, petitioner for authority to extend and alter the location and position of its tracks on Purchase street, by the extension northerly of a turnout near Middle street to its present track near Maxfield street, in accordance with the plan accompanying the petition.

Union Street Railway Company, petitioner for authority to extend and alter the location and position of its tracks on Acushnet avenue, by the extension southerly of the turnout near Sawyer street, in accordance with the plan accompanying the petition.

Union Street Railway Company, petitioner for authority to extend and alter the location and position of its

tracks, by the location of a curve track at the northeast corner of Cedar and Kempton streets, in accordance with the plan accompanying the petition.

Union Street Railway Company, petitioner for authority to extend and alter the location and position of its tracks, by the location of a curve track at the northwest corner of Summer and Kempton streets, in accordance with the plan accompanying the petition.

Union Street Railway Company, petitioner for authority to extend and alter the location and position of its tracks, by the extension of said tracks from their present terminus at the corner of Water and Cove streets, easterly through Cove street to West French avenue to Brock avenue, and thence southerly through Brock avenue to the southerly termination of said avenue, in accordance with the plan accompanying the petition.

ORDER, ADJUDICATION AND DECREE.

In the matter of the foregoing several petitions of the Union Street Railway Company, dated March 11, 1898, wherein said Union Street Railway Company prays, among other things, for a ratification and confirmation of locations of tracks and poles theretofore granted, in conformity with certain plans accompanying said petitions, together with authority to alter and extend its tracks in accordance with said plans, and for various other authority and privileges, as set forth in said several petitions:—

Now therefore, after due notice, by publication, in accordance with the orders of this Board for the publication of notices upon each of said several petitions, and after due hearings upon each of said several petitions pursuant to said notices, at which hearings the petitioners and certain remonstrants, and such of the public and all other persons interested therein as were present, were

heard thereupon, all of which appears of record, it is

Voted, That the INTERESTS OF THE PUBLIC REQUIRE that the prayers of said petitions and each of said petitions be granted, and it is hereby ORDERED, ADJUDGED AND DECREED upon the petitions aforesaid, and upon each of them, that the same be and hereby are severally granted upon the terms, conditions, limitations and restrictions hereinafter set forth, which terms, conditions, limitations and restrictions are hereby adjudged to be restrictions which this Board deems that the interest of the public, in the premises, require, and which terms, conditions, limitations and restrictions are to be and remain in full force, and in addition to all the terms, conditions, limitations, duties and obligations which are now or hereafter may be imposed, by law, upon street railway companies under the laws of the Commonwealth of Massachusetts, until, by reason of their repugnance to said laws of our Commonwealth, the terms, conditions, limitations and restrictions herein and hereby imposed, become void by operation of the law.

The terms, conditions, limitations and restrictions upon which this order granting the locations of tracks and confirming the locations of tracks, as prayed for in the several petitions, are as follows, viz:—

First. That the plans accompanying said petitions, numbered 2 to 7 inclusive, and 10 to 12 inclusive, each of which plans is entitled “Plan of the Location of the Union Street Railway Company, 1898, New Bedford, Mass.,” be filed in the office of this Board, and the following endorsement, attested by the clerk of this Board, made on each, as follows:—“This plan is accepted as a true and exact plan and description of the true and actual location of all the tracks, switches, turnouts, rails and poles of the Union Street Railway Company, in and upon the public highways therein designated, in accordance

with the decree of this Board, passed May 27th, A. D. 1898. Per order of the Board of Public Works.

“ . Clerk.”

Second. Said Union Street Railway Company shall, upon the acceptance of this grant, forthwith pay to the City of New Bedford the sum of TEN THOUSAND DOLLARS, which sum is adjudged to be a fair assessment upon said company toward defraying the expenses of widening Purchase street from North street to Maxfield street, which widening has been necessitated by the proposed construction of a second track therein, as prayed for by said street railway company.

Third. If at any time after the acceptance of this grant it shall become necessary in the opinion of this Board to widen or alter any street in which a location has been granted to said company, and said widening or alteration in the judgment of this Board is in whole or in part necessitated by the occupation thereof by the tracks, poles, switches or turnouts of said company, said Board may assess upon said company a proportionate part of the cost of such widening or alteration, not exceeding the aggregate amount of all the betterments assessed upon the abutters by reason of said widening or alteration, and not exceeding one-fourth of the total cost of said widening or alteration, and the said company shall pay the same within the time and in the manner prescribed by the order of this Board by which said assessment is made, provided, however, that in case the Legislature of this Commonwealth shall pass a general law providing for assessments upon street railway companies of a proportionate part of the cost of widening or altering streets, and the amount so assessed shall under the provisions of said general law enure to the benefit of the cities and towns wherein such street railways are located, this restriction shall cease to be

operative and binding, and such law shall take effect in substitution thereof.

Fourth. Said Union Street Railway Company shall issue and sell at its general office, at all times within the hours when said office is open for business with the public, special tickets good for ten trips over the tracks of any line of said company within the limits of New Bedford between the hours of 5 o'clock A. M. and 7 o'clock A. M. daily, except Sundays and legal holidays, with the privilege of free transfers, subject to the provisions of law relative thereto and subject to all reasonable regulations which said company may impose not inconsistent herewith. Said ten-trip tickets shall be sold as aforesaid for the sum of thirty cents each, or three cents for each trip thereon, and the holders thereof shall be entitled to all the privileges and rights enjoyed by other passengers conveyed by said company. Said company shall also between the hours of 6 o'clock P. M. and 6.30 o'clock P. M. daily, except Sundays and legal holidays, run special cars on its main line from the corner of Cove and Water streets north as far as the corner of Acushnet avenue and Coggeshall street, and at the same hours shall run special cars on its main line from the corner of Acushnet avenue and Coggeshall street south to the corner of Cove and Water streets; the number of cars so to be run at the times aforesaid shall be sufficient to accommodate the working people desiring to travel from one section of the city to another. Said cars shall be plainly designated as workingmen's cars, upon which cars holders of special ten-trip tickets issued as hereinbefore provided shall be entitled to ride with the privilege of free transfers upon any line within the limits of said city, in the same manner and subject to the same conditions hereinbefore provided in relation to the holders of special ten-trip tickets or tickets issued at the rate of three-cent fares be-

tween the hours of five and seven o'clock in the morning.

Fifth. Said Union Street Railway Company, in consideration of the benefits and advantages herein and hereby conferred upon it shall, on or before the first day of November in each year, pay to the City of New Bedford the sum of THREE THOUSAND DOLLARS.

Sixth. If at any time after the acceptance by said Union Street Railway Company of this grant of locations and confirmation of locations of the tracks, switches, turnouts or appliances of said company, in or upon the roads, bridges or streets, as prayed for in the several petitions herein granted to said Union Street Railway Company, the Legislature of this Commonwealth shall enact a law imposing a tax to be levied upon street railway companies or corporations by the cities and towns of this Commonwealth, in addition to the taxes now authorized by law to be assessed by said cities or towns upon street railway companies or corporations, and the amount of such tax so authorized shall be less in any year than the sum herein stipulated to be paid by the terms of the fifth restriction of this grant, said city shall remit to said company the excess, but if the amount of such tax be more than the sum therein stipulated, said Union Street Railway Company shall pay to the City of New Bedford an amount in each year equal to the excess of such tax over the amount stipulated therein. If, however, no such change in the law shall occur during the continuance of this grant, the same is subject to the further restriction that if the sum herein stipulated by the terms of the fifth restriction of this grant shall at any time be less than an amount equal to that proportion of one and one-half per centum of the gross annual receipts of said Street Railway Company from all sources which the length of tracks operated by it in said city bears to the total length of tracks operated by it, then said Street

Railway Company shall pay to the City of New Bedford, annually as aforesaid, a sum of money, in addition to the sum so stipulated, which will amount to that proportion of one and one-half per centum of the gross annual receipts of said Street Railway Company from all sources which the length of tracks operated by it in said city bears to the total length of the tracks operated by it.

Seventh. In all cases where the surface material of any road, bridge or street is disturbed by said Union Street Railway Company, in the original construction or subsequent alteration of any part of its railway or the appliances connected therewith in or upon any road, bridge or street aforesaid, or in the repair of any part of the rails, switches, turnouts, appliances or roadbed within the location granted to said Railway Company, in or upon any road, bridge or street aforesaid, said Union Street Railway Company thereupon shall, forthwith, at its own cost and expense, replace, to the reasonable satisfaction of the superintendent of said Board, all surfaces and materials so disturbed, with the same or similar material in form and construction as composed the surface and material so disturbed, and shall restore every such road, bridge or street so disturbed to as good condition of repair as the same was in at the time when such disturbance took place, and in case of any failure, refusal or neglect by said company, after reasonable notice and demand, in writing, by the superintendent of said Board, to restore such road, bridge or street so disturbed, as aforesaid, to the condition aforesaid, it shall be lawful for said Board to cause the same to be done at the cost, charge and expense of said Union Street Railway Company; and *provided also*, that if in any case any person shall suffer loss or injury in his person or property through any unlawful defect or want of repair in that portion of any road, bridge or street, in or upon which, under this grant,

are located the tracks, switches, turnouts or appliances of said company, or by reason upon the part of said company of its failure to remove from any road, bridge or street occupied by said company under this grant, snow or ice accumulated therein or thereupon, whether said snow or ice be within the location granted to said company hereby, or said snow or ice be placed or deposited upon any part of any road, bridge or street in the removal of the same by said company from its location of tracks, switches or turnouts, said Union Street Railway Company shall indemnify the said City of New Bedford for all loss, damages and costs suffered by said city in consequence thereof; and *provided also*, that said company shall indemnify said city for all loss, damages and costs recovered against said city by reason of any injury caused by the presence in or upon any road, bridge or street of said city, of the tracks, switches, turnouts or appliances of said company, or by the carelessness, negligence or misconduct of said company in the management of its business therein.

Eighth. If at any time hereafter authority is granted to any other street railway company by this Board, or by any other municipal authority having jurisdiction of the subject matter, unless compelled by legislative enactment so to do, to enter upon and use the tracks of said Union Street Railway Company without the consent of said company, or a location of tracks is granted by this Board or by any other municipal authority having jurisdiction of the subject matter to any other street railway company, in or upon any of the streets of said city, south and east of a line starting at a point where the westerly boundary line of said city intersects the Hathaway road, thence by said Hathaway road to Mount Pleasant street, thence by Mount Pleasant street to the King's Highway, thence by the King's Highway and by the Tarkiln Hill

road and by the main street to the channel of the Acushnet river, and such other street railway company shall not be prohibited from conveying passengers for hire from one point to another point south of said line, within the limits of said city, by the terms, conditions and restrictions of its grant, and such other street railway company shall under its grant, thereupon or thereafter, be permitted to convey for hire passengers from one point to another point south of said line, within the limits of said city, then and thereupon said Union Street Railway company shall be released from the provisions, conditions and restrictions contained in the third, fourth, fifth and sixth paragraphs of the terms, conditions, limitations and restrictions of this grant, and the same shall cease to be operative and binding on said Union Street Railway Company, and said city shall thereupon repay to said Union Street Railway Company the said sum of TEN THOUSAND DOLLARS, provided to be paid to said city by said company under the terms of the second paragraph of the terms, conditions, limitations and restrictions of this grant, together with interest thereon from the time of payment at the rate of four per centum per annum; but nothing herein contained shall release said Union Street Railway Company from any terms, conditions, limitations and restrictions imposed by this grant by reason of the conveyance for hire of passengers from one point to another point south of the aforesaid line within the limits of said city, with the consent of or under an agreement between the said Union Street Railway Company and any other street railway company, nor shall said Union Street Railway Company be released from any of said terms, conditions, limitations and restrictions by reason of the granting of locations of tracks within the limits of said City of New Bedford to any other street railway company having a location of tracks outside of

the limits of said city, for the purpose of enabling such other street railway company to convey passengers received by it outside of the line running south and east and starting at the point wherein said westerly boundary line of said city intersects said Hathaway road, thence by said Hathaway road to said Mount Pleasant street, thence by said Mount Pleasant street to said King's Highway, thence by said King's Highway and said Tarkilm Hill road, and thence by said Main street to said channel of said Acushnet river, to some central terminal point within said City of New Bedford.

Ninth. The payment to be made by said Union Street Railway Company to said City of New Bedford under the provisions of paragraph fifth, on the first day of November, A. D. 1898, shall be such proportion of the sum therein stipulated as the time from the acceptance of this grant to said first day of November bears to the whole period of one year.

Tenth. And it is hereby further ordered, adjudged and decreed that in consideration of the true performance by said Union Street Railway Company, its successors and assigns, of all the terms, conditions, limitations and restrictions herein contained, and of all further orders hereinafter passed by said Board, pursuant to law, not inconsistent with said terms, conditions, limitations and restrictions, said grant shall continue, be and remain in full force and virtue and binding upon said company and upon said city, but upon any unreasonable failure or neglect to perform said terms, conditions, limitations and restrictions by said company, its successors and assigns, said grant shall become void and of no effect.

Eleventh. This grant is subject to the express condition that said Union Street Railway Company, upon due notice of this adjudication, shall forthwith by vote of its directors accept the same upon the terms, conditions and restrictions herein contained.

[A copy.]

IN BOARD OF ALDERMEN,

March 23, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

3 mo. 23, 1899.

Concurred.

WM. A. MACKIE, Clerk.

1899—CITY DOCUMENT No 11.

Sixth Annual Report

OF THE

ENGINEERING DEPARTMENT

OF THE

City of New Bedford,

TO THE

City Council,

BY THE

CITY ENGINEER,

For the Year 1898.

NEW BEDFORD:

E. ANTHONY & SONS, Incorp., PRINTERS.

1899.

REPORT.

CITY OF NEW BEDFORD,

ENGINEERING DEPARTMENT,

January 1, 1899.

To the City Council of the City of New Bedford:—

GENTLEMEN:—In compliance with Section 5 of the ordinance defining the duties of the City Engineer, the following report of the expenses and operations of the Engineering Department for the year ending December 3d, 1898, is respectfully submitted.

EXPENDITURES.

Salaries and pay rolls,	\$8,689.39	
Rent,	741.12	
Janitor's services,	116.50	
Lighting,	23.69	
Telephone,	74.82	
Street railway tickets,	100.00	
Drawing instruments and supplies,	125.69	
Printing, stationery, etc.,	56.87	
Sundry supplies,	68.55	
Repairs to instruments, tapes, etc.,	23.33	
Sundry labor, not in pay roll,	47.68	
Office furniture and repairs,	64.20	
Reference books,	13.00	
Print cloth, etc., for platting system,	54.84	
Horse and carriage hire,	81.50	
Travelling expenses, postage, express, etc.,	37.20	
Bound stones and setting same,	76.73	
Printing report,	14.67	
General instruments for office and field,	21.40	
Blue print room,	294.80	
Intercepting sewer,	11.38	
		\$10,737.36
Balance,		62.64
		\$10,800.00

RECEIPTS.

Appropriation, regular,	\$8,000.00	
Appropriation, blue print room,	300.00	
Appropriation, special,	2,500.00	
		\$10,800.00

The foregoing statement is in accord with the account of the department as shown by the books of the City Auditor. The department, has, however, turned in to the City Treasurer to the credit of unappropriated funds, \$62.53, as shown by the following statement, which, excluding the cost of the blue print room, \$300, will show that the net cost of the department to the city for the year has been \$10,374.83.

EXPENDITURES.

Gross,	\$10,437.36
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RECEIPTS.

By credit to unappropriated funds :		
Blue prints,	\$50.25	
Blue print paper and cloth,	9.13	
Maps of City,	1.50	
Tracing of City,	1.00	
Tracing cloth,	.65	
		62.53
Net expenditures,		10,374.83
		\$10,437.36

Statement cost of Blue Print Room and fitting same :

Lumber, door, windows, carpenter work building room and setting fixtures,	\$111.56
Tin and galvanized iron for roof and sides, labor on same and plumbing,	125.65
Painting roof and sides two coats,	12.00
Brick and lime for side lining,	16.26
Labor on same,	26.28
Coppered wire to hang pictures on,	.30
Rubber tube,	.40
Shades,	2.00
Expressage,	.35
Total cost of room,	\$294.80

ASSISTANTS' TIME AND COST.

GENERAL CLASSIFICATION OF WORK DONE.

	OFFICE.		FIELD.		TOTAL Cost.
	Time.	Cost.	Time.	Cost.	
Assessors' plats, corrections, record of transfers, etc.,	2,603	\$823.57	22	\$4.87	\$828.44
Blue print room.	1	.12	29	12.86	12.98
Bound stones, setting same,	59	10.71	234	53.28	63.99
Bridges, harbor line, etc.,	153	50.40			50.40
Catch basins,			21	5.05	5.05
Cemeteries, surveys, plans, etc.,	1,912	461.92	2,119	556.77	1,018.69
Com. on Pub. Prop., City Solicitor, Inspec. of Bldgs. and oth. City officials,	209	49.06	141	30.12	79.18
Contour map of city, surveys for same,	357	77.10	16	3.08	80.18
Correcting office plans, copying plans, etc.,	1,356	274.31			274.31
Department of Public Works, Board of Health,	202	35.16	322	63.55	98.71
Drains, grades and levels for laying same,	1	.28	33	7.91	8.19
Drains, location, measures, index of same, etc.,	351	62.42	190	40.89	103.31
Indexing plans, note books and other records,	1,639	410.24			410.24
New work, measurement, calculation, macadam, concrete, etc.,	323	65.07	119	27.05	92.12
Office work, cleaning tapes and instruments, entering orders, etc.,	895	180.12	46	6.10	186.22
Park Commissioners, surveys, plans, etc.,	454	131.01	1,212	350.63	481.64
Private work,	62	10.13			10.13
Private parties, grades for buildings, steps, etc.,	54	10.09	545	127.82	137.91
Public buildings, lines and levels for same,	9	1.21	25	5.32	6.53
Reports of 1867 and 1898, compiling information for same,	411	140.13			140.13
Sewer construction grades, levels and profiles,	1,679	522.05	502	120.51	642.56
Sewer assessments, plans, ownerships, records, etc.,	231	35.49			35.49
Street department, grades for construction.	31	7.57	610	143.72	151.29

Street grades, levels taken for establishing same, office records, etc.,	293	84.10	142	37.09	121.19
Street layouts, surveys, plans, returns, records, tracings, etc.,	818	261.43	480	132.93	394.36
Street numbers, re-numbering, new numbers, records, etc.,	72	13.92	56	12.39	26.31
Tide gauge,	49	8.38	170	48.37	56.75
Union Street Railway Company,	72	23.22	156	41.19	64.41
Vacations, Saturday afternoons and legal holidays,	2,244	592.34			592.34
Water Works Department, grades, levels, profiles, surveys, etc.,	6	1.63	64	14.71	16.34
Totals,	16,546	\$4,343.18	7,254	\$1,846.21	\$6,189.39
Administration,					2,500.00
Total cost, exclusive of special work on grade crossings,					\$8,689.39
Grade crossing investigation,	864	\$322.27	46	\$13.71	\$335.98
Saturday afternoons,	23	10.57			10.57
Total,	17,433	\$4,676.02	7,300	\$1,859.92	\$9,035.94

It is now nearly six years since the organization of the Engineering Department as a distinct department. It may not therefore be amiss to go somewhat into the financial details of its work for the past year inasmuch as the duties are such that it is not often brought into close relationship with members of your honorable body.

The permanent force of the department at present, and for the past three years, consists of the City Engineer, eight assistants and one young lady clerk. Five assistants entered the office as apprentices without previous special education or training for its duties. Commencing with small salaries they have been increased from year to year commensurate with the increased worth of the individual to the department. This will account in part for the gradual increase of the yearly cost of the department. It has also been necessary at times to employ extra help for special work. In my judgment it is important for reasons of economy and to secure the greatest efficiency in the department, to maintain a permanent force of sufficient size to promptly perform the regular work as called for. There will be times when such force will not be kept busy on regular work, but there has always been other work that ought to be done, and for this reason the force has never been idle. I can go further and conscientiously say that there will always be work in the way of investigations and special studies which while not always urgently necessary, add very much to the value of the department and will keep its present force occupied even with a considerable curtailment of what I have called "regular work." With a trained force, extra work can be handled promptly and efficiently with moderate employment of extra help and without neglecting regular work. It is a fact, however, that during the past three years the department has performed a considerable amount of special work which will soon be completed,

and unless new matters take their place it would seem that out force will have to be reduced. Before taking any steps to reduce the present size and efficiency of this department, it is well to consider that the ordinance creating the engineering department states "that it shall perform all surveying and civil engineering in connection with the business of the City," and it is not possible to predict in advance the nature or extent of these requirements. This is well demonstrated by the experience of the past. It is further evident that beyond a certain limit the department cannot create work except that which may follow from accepting our advice given upon request. It is also evident that the purpose of the ordinance of having all the engineering done by one department, will not only secure its results at the minimum cost but is yearly accumulating records of very considerable value.

It has been the practice of the department since its organization to keep an itemized account of the disposition of the time of the assistants. I have condensed this time in the following statement to show the cost of the services rendered the various departments:

PUBLIC WORKS.

\$1,716.26

These figures include all work done in connection with streets and sewers, also investigations relative to an intercepting sewer system. It is a common impression that practically all our time is spent upon work for the Public Works. As a matter of fact the entire work on streets and sewers actually cost about one-third of the whole. In 1897 it cost \$1,944.92; 1896, \$1,595.52; 1895, \$1,667.92.

PARK COMMISSIONERS. \$481.64

More work was done for this department during the past year than usual. This time was principally spent in making a very complete topographical survey and map of Brooklawn Park. This is complete and we now have a map of the park which shows every change in elevation of the surface of one foot, the location, size and species of every tree and shrub in the park, all paths, drives, ditches, buildings, etc., in fact information that is absolutely necessary whenever a complete layout of the park is to be made. No extra help was employed for this work.

BOARD OF ASSESSORS. \$828.44

It is not generally understood that by ordinance the engineering department has the entire care of the platting system, making all changes and corrections in plats and index. This has taken the entire time of one assistant who keeps a daily record of transfers at the Registry of Deeds, making the necessary changes on the plats and in the index of same both in this office and in the office of the Assessors. The latter part might be done by the employee of the Assessors, but it would simply increase the ultimate cost to the City and create more or less confusion. When the plats were accepted it was expected that their actual use would develop many errors. As soon as the system was thoroughly installed, the work of finding and correcting these errors was commenced, with the result that by May 1st, 1899, the system will be practically correct to that date, but the corrections due to the change of ownership by deed and wills will have to be made from time to time. The plats are also used constantly in this department, for which reason they are an absolute necessity and must be kept posted. As long as one man

can do the work in both offices it is undoubtedly the cheapest way for the City. The plot tracings are kept in this office, and on May first of each year the Assessors are furnished with a set of blue prints corrected to date; these are also corrected from time to time during the year. In this way the tracings fill the requirements of our office and last a much longer time than they would if kept in the Assessors' office; this arrangement gives perfect satisfaction to both departments.

CEMETERY BOARD.

\$1,018.69

It will undoubtedly be a surprise to many that so much work has been done for this Board during the past year. In 1894 work was commenced pursuant to an order of the City Council on a systematic survey and platting of the Rural, Oak Grove and Pine Grove cemeteries. This was entirely independent of the regular work of laying out and mapping new sections and drives. This special work is now completed in the field and by spring it will be fully mapped and in the hands of the Cemetery Board. It has undoubtedly been a much larger work than was originally anticipated, but it has been thoroughly done and its value in the future administration of the cemeteries cannot be overestimated. The Cemetery Board now have a large map of each cemetery, showing sections, lots and drives in their correct position, also a set of books with every lot correctly platted and every grave located. Plans have also been made for the future layout of the undeveloped portions of all the cemeteries, so that the ultimate results may be as pleasing and beautiful as the subject and outlay will permit.

WATER WORKS DEPARTMENT. \$16.34

Less work for this department has been done during the past year than in any year since our organization.

SUPERINTENDENT OF PUBLIC BUILDINGS,
CITY SOLICITOR, BOARD OF HEALTH,
AND OTHER DEPARTMENTS. \$242.28

Every demand from these departments has been promptly met, but less has been done during the past year than usual.

UNION STREET RAILWAY COMPANY. \$64.41

All new track work of this company is laid in accordance with lines and grades defined by this department. The new construction of the past year accounts for the extra service rendered.

OFFICE WORK. \$1,091.08

This covers record and other work of the department which while it cannot very well be charged to other departments, is of course largely influenced by the amount of their work.

PRIVATE PARTIES. \$137.91

The ordinances requires that the Engineering Department shall give lines and grades of streets to all parties erecting new buildings or making changes in the location of old ones. Owing to the curtailment of building operations during the past year we have not rendered the service in this connection that we have in some past years.

GRADE CROSSING INVESTIGATION.

This investigation has been in charge of the Engineering Department since 1894. Mr. George A. Kimball,

Civil Engineer of Boston, has assisted me as Consulting Engineer, and while the expenses of the investigation have been met by a special appropriation, the work has been almost entirely done by the regular force of the department and was one of the causes for maintaining our present force. I am convinced, however, that the same amount of work could not have been as well done at the same cost under any other method.

VACATIONS AND LEGAL HOLIDAYS.

\$592.34

It has been the practice to give every member of the permanent force, in addition to legal holidays, a vacation each year of one week, all on full pay. The past year the "Saturday half-holiday" law added materially to this expense.

EXPENSES. . . . \$2,047.97

This includes all expenses of the department outside of the pay-roll and salary of City Engineer. For the past five years it has averaged \$2,171.23 per year, but there has been certain permanent improvements each year. The principle item of the expense is rent and light which cost for the past year \$881.31. The blue print room cost \$294.80, the balance or the actual running expenses were \$871.86; this item is affected to some extent by the amount of work done.

The assistants at present employed in the department are: George H. Nye, L. J. Hathaway, Jr., Norman Barstow, Frank H. Murkland, Edward M. Slocum, Harold S. Bowie, William H. Chase, Bartlett Allen, Clara W. Phinney.

GRADE CROSSING INVESTIGATION.

The expenditures and receipts for account of the investigation have been as follows :

EXPENDITURES.

Salaries and pay rolls,	\$346.55	
Horse and carriage hire,	15.00	
Printing, stationery, etc.,	7.50	
Drawing instruments and supplies,	13.31	
Reports Grade Crossing Laws,	5.00	
Telephone,	3.40	
Travelling expenses, etc.,	36.63	
Sundry labor, not in pay roll,	131.50	
Expenses grade crossing hearing,	40.75	
Copies of records,	2.25	
Janitor's services,	18.50	
		\$620.39
Balance carried forward,		357.90
		\$978.29
CR.		
By balance Dec. 6th, 1897,		\$978.29

Grade crossing expenditures for the year 1895,	\$517.92
Grade crossing expenditures for the year 1896,	2,067.20
Grade crossing expenditures for the year 1897,	936.59
Grade crossing expenditures for the year 1898,	620.39
Total expenditures to date,	\$4,142.10

Whenever a final report is rendered by the Grade Crossing Commission it is presumed that ninety per cent. of the above cost will be repaid to the City.

A full and exhaustive report upon this investigation would no doubt be interesting and valuable, but its proper preparation means an expense which I should not care to assume without special authority, furthermore it would make altogether too bulky a report to be incorporated in the City Documents.

The following order was passed at the first regular meeting of the City Council, January 13th, 1898 :

ORDERED, that a joint special committee to consist of the mayor, president of the common council, one alderman and two members of the common council be appointed, whose duty it shall be to take action looking toward the immediate reopening of the hearings before the grade crossing commission upon the abolition of grade crossings, and such action as is necessary to obtain a settlement of the questions involved.

The following committee was appointed: Mayor Ashley, President Brownell, Alderman Jenney and Councilmen A. P. Smith and Stetson.

Pursuant to this action prompt steps were taken to reopen the hearings. Public hearings were held in the City Hall, this city, March 7th, 8th and 9th, May 9th and 10th and June 15th and 16th, and in Boston May 28th and June 13th and 17th. I have also met Commissioner Wheeler with F. S. Curtis, engineer of the N. Y., N. H. & H. R. R. Co., several times to discuss plans and propositions.

Very briefly stated the investigation has reached a point where it is practically agreed by all concerned that the crossings north of the depot shall be abolished by the elevation of the tracks of the Railroad. Under this plan the railroad also abandons its present freight yard and freight houses west of Acushnet avenue and north of Pearl street, and proposes a new location for the same east of Acushnet avenue and south of Willis street. The full extent of the proposed changes in the passenger depot are not yet determined, this matter being now under special investigation by the engineers of the railroad. From the depot south the problem is as yet unsettled except that the crossings at Water and Hillman streets may be eliminated by moving the tracks to the east. The situation with relation to the water front crossings may be briefly stated as follows:

The city has presented a plan for abolishing all of these crossings. The representatives of the railroad declines

to submit any plan, and furthermore announce that as it is their intention to concentrate all of the business of the railroad now done south of the bridge to a point north of the same, maintaining its tracks along the water front for private interests only, the cost of abolishing all or any of the crossings south of Hillman street will be out of all proportion to the danger of the same and the value of the business.

INTERCEPTING SEWER.

At a meeting of the City Council held January 13th, 1898, the following order was passed :

ORDERED, that the City Engineer make the necessary investigations to enable him to prepare complete plans and estimates for the construction of an intercepting sewer system and report the same to the City Council at the earliest possible date, the expense therefor not to exceed \$1,000, except by authority of the City Council, adopted in concurrence.

Pursuant to these directions a careful preliminary investigation of the subject has been made, but as it requires the exhibition of numerous plans to make a full and comprehensive report I shall ask to be allowed to report in person, which I am prepared to do at the pleasure and convenience of the Council.

HARBOR LINES.

The following order was passed by the City Council, at its first meeting January 13th, 1898 :

ORDERED, that a joint special committee be appointed to petition the harbor and land commissioners for a revision of the harbor lines and for the establishment of lines to be known as bulkhead lines and pierhead lines, the former to limit solid fill construction, the latter of wharf and pier construction.

The following committee was appointed: Mayor Ashley, President Brownell, Alderman Lawton and Councilmen Penney and Baylies.

Pursuant to this order a petition was submitted to the

Harbor and Land Commissioners, and on November 3d, 1898, a public hearing was held in this city. Considerable interest was developed among owners of shore property, all of whom I think appreciated the importance of a revision of the present lines. No further action has been taken by the Commissioners, the matter being still under consideration.

PLATTING SYSTEM.

Following is the report of the assistant in charge of the Assessors' plats for the past year.

Record of conveyances of real estate recorded at the Registry of Deeds at New Bedford, as reported to the Assessors each month :

1897, December	61
1898, January	76
1898, February	55
1898, March	86
1898, April	103
1898, May	73
1898, June	83
1898, July	69
1898, August	45
1898, September	90
1898, October	84
1898, November	45
Total	870

Since January 1, 1898, have looked up the records of 659 estates, at the Probate Court, of residents of New Bedford, who died seized of real estate in the city. This list includes not only persons deceased in 1897 and 1898, but goes back over a period of fifty years, this branch of investigation of real estate record ownership having received insufficient attention in the past. This information was obtained at the office of the Register of Probate, and has necessitated 32 trips to Taunton during the year.

The information thus obtained has been arranged in handy form by the Assessors in an alphabetical card-index, and will, besides being of great value to them for the present requirements of their office, give a permanent record which will, as time goes on, become of great value, being as it is, at the disposal of all those citizens who may find it necessary to consult such records.

The Assessors have been furnished with 54 new prints of the plats to make out their set for 1898. These included plats that were used up by the handling, and those on which so many changes have taken place (by subdivision, sale and otherwise) that new plats were necessary.

December 1, 1898, there were 13,032 lots shown on the plats, that being 174 more than at the corresponding time last year. The individual ownership May 1, 1898, was 6,470.

CEMETERIES.

In addition to what I have already stated relative to the work performed for the Cemetery Board, the following information may be of interest :

Total area of Rural Cemetery, 85 acres, 86.74 square rods.
Undeveloped area of same, 40 acres.
Total area of Oak Grove Cemetery, 41 acres, 116.20 square rods.
Undeveloped area of same, 13 acres.
Total area of Pine Grove Cemetery, 10 acres, 89.60 square rods.
Undeveloped area of same, 6 acres.
Total area of three cemeteries, 137 acres, 132.50 square rods.
Total undeveloped area in same, 59 acres.

TABLES.

Attention is called to the tables for further details of the work of the department. The table of sewers gives all information of value pertaining to the sewers of the city and is correct to date. The collection of data for

this table has been made without interference with any of the regular work, but in the aggregate it represents a good many hours of labor and is a very excellent example of one of the ways in which what might be spare time can be used to most excellent advantage. This data will soon save its cost to the City. In its preparation we found cases where the City had lost entrance fees and assessments because the facts pertaining to many of the sewers had been forgotten.

In closing, I wish to thank the many citizens and members of the City Council, and of other departments who have from time to time kindly assisted this department.

Respectfully submitted,

WILLIAM F. WILLIAMS,

City Engineer.

MONTHLY SUMMARY OF TIDES FOR THE YEAR 1898.

MONTHS.	Average rise of tides below mean high water.	Average fall of tides below mean high water.	Highest high tide above mean high water.	Lowest high tide below mean high water.	Highest low tide below mean high water.	Lowest low tide below mean high water.
January,	0.823	4.342	2.80	2.90	2.80	5.90
February,	1.040	4.540	0.80	2.25	3.20	6.00
March,	1.340	4.789	0.50 below	2.30	3.50	6.50
April,	0.953	4.415	0.20	2.40	2.75	5.50
May,	0.772	4.276	0.65	1.90	3.20	5.10
June,	0.790	4.400	0.80	2.00	3.50	5.20
July,	0.603	4.254	0.60	2.00	3.50	5.20
August,	0.380	4.383	0.85	1.50	3.15	5.60
September,	0.466	4.110	0.70	1.90	3.20	4.90
October,	0.383	4.039	1.00	1.70	2.80	4.80
November,	0.816	4.457	0.50	2.20	3.00	6.50
December,	1.135	4.729	0.40	2.60	3.10	6.00
For the year,	0.792	4.394	2.80	2.90	2.75	6.50

Average rise of tides for 1898, 3.602.

Average rise of tides for 1896, 1897 and 1898, 3.617.

Average rise of tides below mean high water for 1896, 1897 and 1898, 0.729.

Average fall of tides below mean high water for 1896, 1897 and 1898, 4.337.

STREET LAYOUTS, ETC., FOR THE BOARD OF PUBLIC WORKS.

STREET.	FROM	TO	FOR	FIELD WORK.		OFFICE WORK.		ACTION BY BOARD OF PUBLIC WORKS.
				Survey Made Lengths.	Levels Length.	PLANS.	PROFILES.	
Acushnet avenue, Acushnet avenue,	Lund's corner, Lund's corner,	South, Balls corner,	Widening. Widening. Widening.	96.00 1,394.00	96.00 1,394.00	Plan of street. Plan of street 60 ft. wide. Plan of street 70 ft. wide.	Profile. Profile. Profile.	Hearing given. Hearing given. Hearing given.
Bedford street, Briggs street, Brownell street, Chancery street, Division street, Holly street, Keene street, Kempton street, Middle street, Morgan's lane, Mt. Pleasant lane, Palmer street, Plummer street, Purchase street, Reynolds street, Rockdale avenue, Rotch Court, Valentine street, Woodlawn street,	Brownell street, Rivet street, Grape street, Willis street, Crapo street, Belleville ave., Park street, Reed street, Newton street, Water street, Mt. Pleasant st., Bedford street, Front street, Kompton street, Peckham street, Dartmouth st., Orchard street, Brock avenue, Brock avenue,	Palmer st., Thompson st., Bedford st., Parker st., Bolton road, Acushnet ave., Liberty st., Rockdale ave., Reed st., Second st., Vine st., Hawthorn st., Acushnet ave., Maxfield st., Sawyer st., West, Arnold place, W. Frenchave, W. Frenchave,	Layout. Layout. Layout. Layout. Layout. Layout. Layout. Widening. Layout. Layout. Layout. Layout. Layout. Widening. Layout. Widening. Layout. Layout. Layout.	280.00 433.25 739.43 294.96 1,492.50 538.39 2,020.83 352.05 793.54 770.93 1,210.87 1,117.17 1,055.14	280.00 433.25 739.43 294.96 1,492.50 538.39 352.05 335.76 793.54 770.93 1,210.87 1,117.17 1,055.14	Plan of street 50 ft. wide. Plan of street 50 ft. wide. Plan of street 50 ft. wide. Plan of street 40 ft. wide. Plan of street 40 ft. wide. Plan of street 50 ft. wide. Plan of street 60 ft. wide. Plan of street 40 ft. wide. Plan of st. 22 1/2 ft. wide. Plan of street 20 ft. wide. Plan of street 50 ft. wide. Plan of street 45 ft. wide. Plan of street 60 ft. wide. Plan of street 50 ft. wide. Plan of street 50 ft. wide. Plan of street 41 ft. wide. Plan of street 50 ft. wide. Plan of street 40 ft. wide.	Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile. Profile.	Hearing given. Hearing given. Hearing given. Hearing given. Accepted. Hearing given. Hearing given. Hearing given. Widened. Hearing given. Accepted. Hearing given. Accepted. Widened. Hearing given. Widened. Hearing given. Accepted. Accepted.
				12,589.06	11,763.42			

STREETS LAID OUT AND ACCEPTED.

STREET.	FROM	TO	DATE.	WIDTH AND LENGTH IN FEET.			
				22.21	40	45	50
1 Brownell street.	Grape street, Brock avenue, Dartmouth street, Belleville avenue, Acushnet avenue, Kempton street, Water street, Rotch court, Court street, Front street, Brock avenue, Brock avenue,	Bedford street, W. French avenue, Field street, Acushnet avenue, Church street, Milton street, Second street, Union street, Elm street, Acushnet avenue, W. French avenue, W. French avenue,	June 14, 1898. Dec. 14, 1897. June 7, 1898. Jan. 18, 1898. May 17, 1898. May 3, 1898. June 7, 1898. Mar. 9, 1898. Mar. 30, 1898. Sep. 20, 1898. Nov. 22, 1898. June 14, 1898.	22.21	600.90 922.20 440.46 1055.14	45	50
2 David street.							
3 Edward street.							
4 Hathaway street.							
5 Hathaway street.							
6 Jenny Lind street.							
7 Morgan's lane.							
8 Orchard street.							
9 Palmer street.							
10 Plummer street.							
11 Woodlawn street.							
12 Valentine street.							
Total 9917.26 feet or 1.878 miles.				352.05	3018.70	624.86	5921.65

STREET WIDENINGS LAID OUT AND ACCEPTED.

STREET.	FROM	TO	DATE.	FROM	TO	SIDE.	LENGTH.
1 Kempton street.	Reed street,	Rockdale avenue,	May 31, 1898.	40	60	South	359.79
2 Purchase street.	Kempton street,	Mill street,	Jan. 18, 1898.	40	60	West	134.30
3 Purchase street.	Mill street,	North street.	Jan. 18, 1898.	40	60	West	211.27
4 Purchase street.	North street,	Hillman street,	June 23, 1898.	42.5	60	West	262.80
5 Purchase street.	Hillman street,	Maxfield street,	June 23, 1898.	40	60	West	261.38
6 Rockdale avenue.	Dartmouth street,	West,	Nov. 8, 1898.	50	80	North	1210.87
Total length 2440.41 feet or 0.462 miles.							2440.41

GRADE ESTABLISHED.

- 1 First street. Grinnell street to Howland street, December 14, 1897.

LEVELS TAKEN.

STREET.	FROM	TO	LENGTH.	OBJECT.	FOR
Acushnet ave.,	Weld st.,	Coggeshall st.,	1,235	Establish grade.	Street railway.
Acushnet ave.,	9935 ft. N. of Main st.,	Freetown line,	15,150	Establish grade.	Board of Public Works.
Beech st.,	Kempton st.,	Mill st.,	158	Change of grade.	Board of Public Works.
Bowditch st.,	Cedar Grove st.,	Coggeshall st.,	549	Change of grade.	City Property Committee.
Brock ave.,	Willard st.,	David st.,	1,380	Change of grade.	Engineering Department.
Brock ave.,	Government land	W. French ave.,	7,470	Establish grade.	Street railway.
Campbell st.,	Cedar st.,	Shawmut ave.,	447	Establish grade.	Board of Public Works.
Court st.,	Reed st.,	Chepatchet lane	840	Establish grade.	Board of Public Works.
Elm st.,	Reed st.,	Rockdale ave.,	300	Establish grade.	Private parties.
Fair st.,	Orchard st.,	Bolton road,	419	Establish grade.	Board of Public Works.
First st.,	Coffin st.,	Madison st.,	243	Establish grade.	Private parties.
Florence st.,	Court st.,	Elm st.,	441	Amount of cut needed.	Board of Public Works.
Grant st.,	Mt. Pleasant st.,	East.	750	Establish grade.	Water Board.
Hillman st.,	Newton st.,	Florence st.,	1,248	Amount of fill.	Water Board.
Milton st.,	Rockdale ave.,	Jenny Lind st.,	700	Establish grade.	Private parties.
Morgan st.,	Florence st.,	Rounds st.,	238	Establish grade.	Private parties.
Phillips ave.,	Belleville ave.,	West.	131	Check grade.	Engineering Department.
Potter st.,	Highland st.,	Shawmut ave.,	1,022	Establish grade.	Private parties.
Purchase st.,	Kempton st.,	North st.,	226	Establish grade.	Board of Public Works.
Stackhouse st.,	Rockdale ave.,	North.	760	Establish grade.	Private parties.
Stephen st.,	Rockdale ave.,	North.	1,095	Establish grade.	Private parties.
Summit st.,	Hillman st.,	Maxfield st.,	307	Establish grade.	Private parties.
Trinity st.,	Wilson st.,	East.	100	Amount of fill.	Water Board.
Water st.,	Coffin st.,	Madison st.,	243	Establish grade.	Private parties.
W. French ave.,	Poor farm,	Brock ave.,	4,960	Establish grade.	Engineering Department.
W. French ave.,	Brock ave.,	Cove st.,	600	Establish grade.	Street railway.
Willard st.,	Brock ave.,	W. French ave.,	1,152	Establish grade.	Private parties.
Wood st.,	Acushnet ave.,	Bowditch st.,	2,740	Establish grade.	Private parties.
Woodlawn st.,	Brock ave.,	West.	150	Amount of cut.	Water Board.

45,054 feet, or 8.533 miles.

STREETS NUMBERED.

STREET.	FROM	TO	INTERVAL IN FEET.	NOS. GIVEN.
Arnold place,	Arnold st	Rotch court,	25	4
Ashland st.,	Robeson st.,	Adams st.,	20	31
Field st.,	Rockdale ave.,	Cemetery,	20	1
First st.,	Cove st.,	Division st.,	15	1
Grinnell st.,	Bonney st.,	Dartmouth st.,	20	23
Hillman st.,	Hunter st.,	Rockdale ave.,	25	1
Hollyhock st.,	Dartmouth st.,	Cemetery,	25	2
Larch st.,	Juniper st.,	Dartmouth st.,	20	21
Linden st.,	Purchase st.,	County st.,	20	25
Lombard st.,	Fruit st.,	Rockland st.,	20	1
Merrimac st.,	Summer st.,	Cottage st.,	25	1
Page st.,	Grape st.,	Allen st.,	20	8
Plummer st.,	Riverside ave.,	Acushnet ave.,	20	2
Reynolds st.,	Durfee st.,	Adams st.,	25	1
Rockdale ave.,	Orchard st.,	Maxfield st.,	25	—
Summer st.	Parker st.,	Robeson st.,	20	4
Thompson st.,	Crapo st.,	Dartmouth st.,	25	3
Single numbers given on streets previously numbered,				67

DETAILS OF SEWERS CONSTRUCTED IN 1898

- PUBLIC WORKS DEPARTMENT.

Grades for setting curbing,	91
Grades for paving,	6
Grades for laying gutters,	30
Lines for laying gutters,	10
Grades for cutting and filling streets,	33
Lines for cutting and filling streets,	5
Grades for bank walls,	4
Lines for bank walls,	3
Lines and grades for building fences,	4
Plans and profiles of sewers for construction,	9
Grades for laying sewers,	79
Trips to sewers to measure branches, ledge, etc.,	42
Branches located for connecting drains,	35
Levels or grades for drains,	16
Grades for building catch basins,	9
Lines for building catch basins,	6
Grades for sidewalks,	3
Grades for culverts,	1
Cargoes of curbing and crosswalk measured,	11
Plan buildings, etc., Morgan's lane for sewerage.	
Location and plan of buildings in block—Linden, State, Austin and Pleasant streets for sewerage.	
Profile of North street, west of Purchase, change of grade.	
Measures and plan for estimate of asphalt, Pleasant and Market streets.	
Levels, plan and profile of mouth of Blackmer street sewer for changes.	
Location and plan of curb lines and tracks in Purchase street, Elm to Maxfield, for relocation of tracks.	
Cross section gravel lot, North street.	
Brock avenue, near Lucas street, levels to test laying of car tracks.	
Levels and plan ledge on South street, west of County street.	
Surveys for widening sidewalk at northwest corner Cedar Grove street and Acushnet avenue.	
Survey and plan for paving square at intersection of Weld street and Acushnet avenue.	
Measures and plan for cutting crosswalks at corner of Purchase street and Union street.	
Estimate of amount of block paving on wharf.	
Sewer map for superintendent of streets.	
Correcting maps of sewers in board rooms.	
Correcting maps of accepted streets in board rooms.	
Plan of junction of Brock avenue and Ruth street.	
Measurement of all new work done by department.	

PARK COMMISSION.

Topographical survey and plan of Brooklawn park.
 Grade for culvert Brooklawn park.
 Survey and plan of park way around Clark's Point.
 Plan and profile of Buttonwood brook.
 Plan, lines and grades for urinal, City Hall square.

BOARD OF ASSESSORS.

Correcting office maps of streets and sewers.
 Two surveys made for correcting plans.

BOARD OF HEALTH.

Pocket maps of sewer system for two members of board.
 Sewer map in board room corrected to date.

WATER BOARD.

Grades given for laying pipe, setting hydrants, etc.,	14
Lines given for laying pipe, etc.,	8
Profile of Brock avenue.	
Profile of Woodlawn street.	
Profile of Hillman street.	
Blue prints.	

COMMITTEE ON PUBLIC PROPERTY.

Levels, plan and profile of Taber's wharf.
 Grade for setting cap log, Taber's wharf.
 Survey to determine encroachment of spur track on Rotch wharf property.
 Cross section of Brock avenue school lot and calculation of amount of fill.
 Two grades for filling Brock avenue school lot.
 Grade for east fence of Brock avenue school lot.
 Grade for lot curb around Phillips avenue school.
 Grade for lot curb around Kempton street police station.
 Levels and plan Clark street school lot for use of architect.
 Line of schoolhouse lot, Shawmut avenue.
 Cross section of proposed schoolhouse lot north side Rivet street, Second street to Acushnet avenue.
 Survey of schoolhouse lot southeast corner of Bowditch and Coggeshall streets.

Plan of schoolhouse lot corner Bowditch and Coggeshall streets.
Cross section of schoolhouse lot at corner of Bowditch and Coggeshall streets.
Cross section and calculation of amount of grading engine house lot, Kempton street.
Survey and plan of engine house lot corner Kempton and Reed streets.
Tracing of Harrington school lot.
Tracing of pumping station lot.
Measures, location of buildings and plan of lot occupied by office of School Committee.

CEMETERY BOARD.

RURAL CEMETERY.

Correcting board room map of cemetery to date.
Plan for development of west part of cemetery.
Survey, location of graves and plan of "Manoah."
Grades and lines for rebuilding "Manoah."
Final staking and grades for section W, plat 2.
Plans of section W, plat 2.
Preliminary staking and grades for section A-5, plats 3 and 4.
Final staking and grades for section A-5, plat 3.
Plans of section A-5, plat 3.
Preliminary staking and grades for section D, plat 4.
Preliminary staking and grades for section A-3, plat 7.
Final staking and grades for section A-3, plat 7.
Plans of section A-3, plat 7.
Plan of section of public ground.
Line for east wall.

OAK GROVE CEMETERY.

Large plan of Oak Grove Cemetery for Board Office.
Plans for development of addition.
Cross section of east part of addition.
Preliminary staking and grades for east part of addition.
Levels on bound stones for bench marks.
Line and grade for east wall of addition.
Location of graves of common ground and staking new section of same.
Line for north wall of cemetery.
Completed location of graves in cemetery for plat books.

PINE GROVE CEMETERY.

Plans made.

INSPECTOR OF BUILDINGS.

Street line defined for 78 buildings, steps, fences, etc.

Street grade defined for 149 buildings, steps, fences, etc.

Tracing of blocks Kempton, Pleasant, North and Purchase streets.

GRADE CROSSINGS.

Estimates tabulated, and plans and estimates furnished at four hearings before Grade Crossing Commission.

CLAIMS AGAINST CITY FOR DAMAGE.

Levels on McGarrigle building, Purchase street at Austin street.

Levels to find cause of water in cellar at northeast corner of Crapo and Rockland streets.

Survey and plan of buildings on property of Philip Genensky, Water and First streets, south of Howland street.

Tracing of Trinity street showing land of R. Beetle.

WORK DONE FOR STREET RAILWAY CO.

Line and grade W. French avenue, Brock avenue to Cove street.

Line and grade Brock avenue, Government Property to W. French avenue.

Line and grade Acushnet avenue, Weld street to Coggeshall street.

Line and grade Weld street, Acushnet avenue to Bowditch street.

WORK DONE FOR PRIVATE PARTIES.

Levels and plan for grade for building southeast corner Pleasant and Mill streets.

Plans showing grades Moreland Terrace and Ash street for architect.

Blue prints of Assessors' plats for Institution for Savings.

Copies of property lines from Assessors' plats.

Map of City showing car tracks.

Plan of spur track Armour building.

Sewer map of City.

Blue prints of soundings Coffin street dock.

MISCELLANEOUS WORK.

SURVEYS.

Lot on Purchase street at widening.

Lot north side of Dudley street to replace stakes lost in grading street.

Location of the intersection of Fair street, Sears street, Hemlock street and Bolton road.

Location of the intersection of Prospect and Leonard streets.

LEVELS.

For contour map of City :

Morgan street, County street to Cottage street.

Elm street, Cottage street to Cedar street.

Middle street, Cottage street to Cedar street.

Union street, Cottage street to Arch street.

Orchard street, Arnold street to Bedford street.

Hawthorn street, Orchard street to Ash street.

Irving Court, Hawthorn street north.

Bedford street, Ash street to Page street and location of brook.

Ash street, Moreland Terrace north.

From Acushnet avenue to Sassaquin pond.

On brooks north of Durfee street and west of Shawmut avenue.

For intercepting sewer :

On outlet of sewers.

On Tripps Brook sewer.

On various streets on proposed line of intercepting sewer.

On curb and car tracks Purchase street, Hillman street to Maxfield street.

To check grade given :

Bullard street, south side, west of Belleville avenue.

Florence and North streets.

Purchase street, west side, Kempton street to North street.

PLANS.

Map of water front with soundings for Naval Reserves.

Copy of layout of Orchard street, Rivet street to Rockland street.

Plans of harbor for hearing before Harbor Commissioners.

Plan for reconstruction of Tripps brook sewer.

Plans of street intersections showing special grades.

Bound-stone map corrected.

Section plans corrected.

Profile and table of grades of Tripps brook sewer.

Preliminary estimates and plans for intercepting sewer.

Tracing of lot south east corner Rockdale avenue and Kempton street.

Check levels run, and grade cards reduced to City datum.

Sewer branch books posted.

Record made of all drains entered in public sewers.

Record of accepted streets partially completed.

Plans and supervision of construction of blue print room, City Hall.

Float tests of flow of sewage in the Acushnet river.

Map of City and length of carriers' routes for Post Office Department.

Record of tides kept for the year.

Plans and profiles of sewers to 1898 entered in sewer book.

Cross section of streets to determine wear of macadam :

Pleasant street, at Elm street.

Court street west of Chancery street.

Acushnet avenue at Marvin street.

Grade for setting bound stone.

BOUND STONES SET.

W. side Acushnet avenue at angle south of Hathaway street.

N. E. corner Ashland place and Linden court.

S. E. corner Brock avenue and West French avenue.

N. E. corner Coffin avenue and Riverside avenue.

S. W. corner Coffin avenue and Front street. (Reset on new line.)

N. E. corner Coffin avenue and Acushnet avenue. (Reset on new line.)

N. W. corner Coggeshall street and Grandfield street.

W. side of County street at angle south of South street.

W. side of County street at angle in South street. (Since removed for curbing.)

S. W. corner of Cove road and Thatcher street. (Raised.)

N. E. corner of Elm street and Lindsey street.

N. W. corner of Fair street and County street.

S. E. corner of Fair street and Hall street.

N. E. corner of Hathaway street and Riverside avenue.

N. W. corner of Hathaway street and Belleville avenue.

N. side of Hathaway street west of Belleville avenue.

N. E. corner of Hathaway street and Acushnet avenue.

N. W. corner of Hathaway street and Acushnet avenue.

N. E. corner of Hathaway street and Church street.

N. W. corner of Hillman street and Purchase street.

N. W. corner of Hillman street and Jenny Lind street.

N. W. corner of Kempton street and Purchase street.

N. W. corner of Kempton street and Jenny Lind street.

S. W. corner of Keene street and Park street.

N. W. corner of Keene street and Park street.

N. E. corner of Keene street and Liberty street.

S. E. corner of Keene street and Liberty street.

W. side of Lombard street at 1st angle south of Spooner street.

W. side of Lombard street at 2nd angle south of Spooner street.

S. W. corner of Maxfield street and Purchase street.

- S. W. corner of Maxfield street and Park street.
- N. W. corner of Maxfield street and Jenny Lind street.
- S. W. corner of Mill street and Purchase street.
- N. W. corner of Mill street and Purchase street.
- N. E. corner of Mill street and Newton street.
- S. W. corner of North street and Purchase street.
- S. W. corner of North street and Jenny Lind street.
- S. W. corner of Plummer street and Front street.
- N. E. corner of Rockland street and Hall street.
- N. E. corner of Ruth street and Harrison street. (Lowered.)
- N. W. corner of Ruth street and Harrison street. (Lowered.)
- N. E. corner of Ruth street and Ashley street. (Lowered.)
- N. W. corner of Ruth street and Ashland street. (Lowered.)
- N. E. corner of Ruth street and Salisbury street.
- N. W. corner of Ruth street and Salisbury street.
- N. E. corner of Ruth street and Viall street.
- N. W. corner of Ruth street and Viall street.
- N. W. corner of South street and County street.
- S. side of South street at west end.
- N. side of South street at west end.
- E. side of Summer street at angle north of Merrimac street. (Lowered.)
- N. E. corner of Sylvia street and Acushnet avenue.
- N. W. corner of Tinkham street and Riverside avenue.
- N. E. corner of Tinkham street and Riverside avenue.
- N. side Tinkham street west of Belleville avenue.
- S. W. corner of Union street and Ocean street.
- S. W. corner Union street and Pierce street.

IN BOARD OF ALDERMEN,

January 26, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

1 mo. 26, 1899.

Concurred.

WM. A. MACKIE, Clerk.

1899—CITY DOCUMENT No. 12.

REPORT

OF THE

Superintendent of Public Buildings,

ALSO

INSPECTOR OF BUILDINGS,

FOR THE YEAR 1898.

NEW BEDFORD :

E. ANTHONY & SONS, Inc., CITY PRINTERS.

1899.

REPORT

OF THE

Superintendent of Public Buildings

FOR THE YEAR 1898.

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS,
New Bedford, Mass., Jan. 1, 1899.

*To His Honor the Mayor, and City Council of the City
of New Bedford:*

GENTLEMEN :—Complying with the Ordinance defining the duties of the Superintendent of Public Buildings, and of the Inspector of Buildings, the following as the sixth annual report of this office is respectfully submitted.

SCHOOLS.

The new eight room school on Brock avenue was completed in June and occupied at the beginning of the school year in September.

The lot has been filled up to the required grade. I would recommend that during the coming season the contemplated streets north and south be opened up and graded as far east as the graded lot extends, in order to have the lot properly curbed; the approaches to this building are from those contemplated side streets, so as to prevent the children from going directly out to the street car tracks in the avenue

The heating and ventilating and sanitary arrangements of this building are in line of our recently erected schools,

and are pronounced by the State Inspector in his report to be equal to the best in the State. In closing his report he writes: "The purity of the air is good, the sanitaries are good, and I am pleased to see so good a school building added to the list of those recently erected in New Bedford." A more detailed description of this building is given in my report for the year 1897.

At the Harrington training school, some important and much needed alterations were made during the summer vacation; the old dry school closets have been replaced by well ventilated water closets, with new drain pipes connecting with the street sewer; new slate urinals, properly ventilated, have been provided, greatly improved draft has been secured by adding about twelve feet to the height of the main vent shaft and smoke flues, and putting on a stone top of such construction as to prevent the down drafts which formerly gave much trouble; and serves as a permanent protection to the brick work. A new stack heater has been put in, also new cement floor laid. This work is of a permanent character, and will not be disturbed when future changes are made.

This building was heated and ventilated (when erected ten years ago) by the Smead under-floor system, which proved entirely inadequate. By order of the Board of Health, a system of ventilation as directed by the State Inspector, was provided for six of the eleven rooms in the building; this necessitated the closing of five rooms, as the hot air furnaces are only capable of furnishing heat to the six ventilated rooms; this ventilation being only for a short time, or until permanent improvements can be made, and the hot air furnaces after ten years' use being pretty well worn out, I would recommend that a new system of heating and ventilating, something in the line of that so successfully applied in our recently erected schools, be provided during the summer vacation.

At the Dartmouth street school, the old school closets incased in wood-work, set on a wood platform on the cement floor, had become quite filthy, and with the flushing tanks continually out of order and no ventilation, the odor throughout the building was very bad. This trouble was remedied by removing the wood platform and seat boxing, and putting in a concrete platform under the hopper closets, providing pull and automatic flushing tanks, with new seats so arranged as to ventilate each closet. Ventilation was also provided for both rooms, two unused flues in the chimneys being utilized for that purpose.

The water service was increased to give a stronger flush at the urinals and closets, and to give a permanent supply in toilet rooms up stairs.

At the Phillips avenue school, the unfinished grading and curbing, left over from 1897, was completed in the early spring; new concrete walks were laid in the approaches during the summer vacation; the front or lawn portion of the yard being seeded to lawn grass, and the playground finished with crushed screenings.

This school and grounds, as also the Dunbar street school and grounds, are now in a most complete condition.

Regarding the Clark street school and grounds, I have to say that this school was opened in September, 1896; the school yard has never been graded; the earth filling was nearly completed when the school was opened. But the material is being rapidly washed away into the lower streets; the greater portion of the yard is dangerous for the school children to play in, particularly so when the ground is frozen, because of the high banks on Penniman and Reynolds streets. This yard needs a retaining wall and fence, built on about one-half the yard, with steps and curbing and walks at the approaches. Plans for this

work were prepared by Mr. S. C. Hunt, Architect, during the past year, and it was hoped then that the work would be done at the last summer vacation. I would earnestly recommend that this work be done this year, and in order to do so, it would be necessary to get the work well under way in the spring, so that it could be completed during the summer vacation.

At the Cedar Grove street school, one of the third story class rooms was provided with two large dormer windows, which insures an abundance of light, besides giving better air in warm weather. Some needed repairs were made in the plastering, and many of the rooms were painted.

At the Thomas A. Greene school some needed repairs were made in the school closets, and also on the chimney tops and roof.

Some minor repairs were made on various other schools, under the direction of the Committees on School Buildings.

The old unused William street school building has been fitted up for school committee headquarters, and occupied as such in May. The building has been found to be well adapted for the purpose.

FIRE STATIONS.

The doors at the Weld Street Station have been widened, so as to accommodate a three-horse hitch. The plumbing and defective drainage refitted; new stall pans placed in the stable, all connected with the street sewer.

At Station No. 1, stall pans and a new floor have been provided in the stable. A certain portion of the yard at the rear of this building should be concreted next spring; this concreting was talked of last fall, but was neglected until it had become too late in the season to have it done.

Station No. 5 has had stall pans put in, and some slight repairs made on the roof.

Station No. 6 has been provided with widened doorways, to enable the use of a three-horse hitch. Some repairs have been made on the roof. The drainage from this building is rather defective, in that there is not sufficient fall from the cellar to the sewer in Fourth street. In order to remedy this, it will be necessary to carry the house drain east to the sewer in Acushnet avenue.

At Station No. 7, the yard at the entrance to the stable has been concreted, and other minor repairs made.

For Station No. 8, I have to say that this is the only one of our fire stations that is not provided with the sanitary stall pans before spoken of. I trust that this omission will be supplied in the near future.

Referring to the advantages to our fire stations of having the dressing removed from the premises daily, or at least semi-weekly, and of having the stable stalls connected with the street sewers on the ground of healthfulness and sanitation, both for men and horses, I said in a former report: "I trust that this good work will go on till all of our fire stations and city stables are supplied with these desirable improvements."

I am pleased to note that my wishes in this matter are about realized, and that the permanent men at the different stations appreciate the improved condition.

POLICE STATIONS.

The new West Police Station, the erection of which was begun in August, 1897, was completed and occupied in July; the second story of this building is intended for a branch library and ward room, the first story being used for a police station; it is well adapted for the purposes for which it was erected.

A detailed description of the building is given in my report for the year 1897.

One of the chimneys on the South Police Station was blown down during the storm of November 27, damaging the slate roof to some extent; the chimney has been rebuilt and strongly braced, and the roof and damaged windows repaired.

A new water closet to replace an old worn out closet, has been put into the Weld Street Station.

The roof of the Willis Street Station has been newly shingled, new gutters put on, and the cornices repaired. The old water closet located in a closet in the assembly room, should be replaced by a new one, to be placed in a closet at the north end of the building, where it can be properly ventilated.

ALMSHOUSE.

At the Almshouse during the past summer, a much needed work was done. The city water service and sewerage having been put in in 1897, it was found necessary for sanitary reasons to connect the house plumbing with the sewer.

For this purpose permanent iron drain pipes were laid in the cellar of the main house, to which all the plumbing fixtures now in were connected; and branches provided to which any fixtures that may hereafter be put in can be connected. This does away with the old filthy cesspools which received the house drainage heretofore, and had become a nuisance on the premises.

The old privy vaults in the yard west of the buildings have been replaced by a system of strong iron automatic flushing range closets connecting with the sewer; slate urinals have been provided, all set on a cement floor.

All of the above work is of a permanent character, and will not be disturbed by future repairs.

During the storm of November 27, a tall chimney on the main building was blown down; a portion of the roof

was damaged by its fall; this has been rebuilt, strongly braced, and the damaged portion of the roof repaired.

The Ward 6 ward room on Rivet street has been repaired and a new fence built around the house lot; a portion of this lot is so arranged that it can be used as a pound, when desired.

Many small repairs have been made on various other city buildings, under the direction of the proper committees.

I am pleased to note that the city buildings are in pretty good repair.

In closing, I desire to express to His Honor the Mayor, and to the members of the Committee on City Property, and also to the members of the School Committee, my hearty appreciation of the able and intelligent manner in which the work of this office has been supported.

Respectfully submitted,

EDMUND O'KEEFE,

Supt. Public Buildings.

REPORT
OF
INSPECTOR OF BUILDINGS.

REPORT.

BUILDING STATISTICS FOR 1898.

The number of buildings erected in this city during the year 1898, may seem small in comparison with the building operations of recent years; but when we take into consideration the general depression in business during the past two years, and that in the opinion of some good judges, the building business of some recent years, (especially in the line of cheap tenement houses,) was to some extent overdone, it will be found that more buildings of a desirable class were erected during the past year than is generally supposed.

The number of building permits granted during the year for new buildings, alterations and repairs, and for buildings moved and repaired, was 415, at an estimated cost of \$490,647.00, classified as follows:

Dwellings of one or more tenements,	\$173,200.00
Stores and dwellings combined, and stores (one story),	7,400.00
Additions and alterations to dwellings and stores,	53,642.00
Business buildings, (stores and offices,)	35,200.00
Textile school, \$18,000.00; Jewish Synagogue, \$3,500.00,	21,500.00
Buildings for manufacturing purposes,	110,000.00
Miscellaneous structures, (stables, sheds, etc.,)	21,625.00
Buildings moved, altered and repaired,	40,880.00
Alterations and repairs to city buildings,	27,200.00
	\$490,647.00

In this total there were 81 dwellings erected, containing 111 tenements, to which should be added 11 tenements in dwellings altered, and tenements over stores,

making a total of 122 tenements, at an estimated cost of \$186,200.00.

The dwellings erected are classified as follows :

52 dwellings of one tenement each, average cost per tenement,	\$2,019.00
22 dwellings of two tenements each, average cost per tenement,	1,200.00
77 dwellings of three tenements each, average cost per tenement,	870.00

While it is true that there were not many expensive dwellings erected during the year, it is also true that there was none of the cheaper grades of large tenement blocks erected; in fact, none that contained more than three tenements each, and only seven of this class.

These dwellings were in most cases erected by their owners for their own use, and are quite a desirable class of houses, located on many unimproved sections of the city, and are quite an acquisition to the city's buildings.

During the past year, eight old wooden buildings were taken down; four of these being removed to permit the widening of Purchase street between Kempton and Maxfield streets; two were taken down to make room for contemplated improvements at the junction of North and Water streets; one was taken down to make way for the erection of the new gasholder on South First street, and one barn on the Morgan estate, corner of County and Morgan streets, having become unfit for use, was taken down.

These buildings were of little or no value, and had to some extent become unsafe, their removal is a matter to be thankful for.

Section 45, chapter 481 of the Public Statutes, Acts of 1894, provides that the Inspector of Buildings shall, in the month of May of each year, inspect every room of every hotel and lodging-house of ten or more rooms above the second story, in the city, to ascertain if the provisions

of the law regarding means of escape from such rooms in case of fire, and that means of extinguishing fires are provided and complied with.

I have to report that such inspection was made in the month of May, and that I found in nearly all cases, that the law was complied with, and have so reported to the Chief of the State District Police in Boston.

Sixty-four written notices from this office, were served on various parties throughout the city; 33 of these were for violations of the building ordinances, 13 were for unsafe or unprotected buildings, and 18 for unsafe chimneys. Of these, 13 cases were adjusted through the action of the Committee on Buildings; 50 cases were adjusted through the Inspector's office, and in one case where the owner of a dwelling now in the course of erection, has refused to comply with the building ordinance, after having been notified by the Committee on Buildings, the matter has been referred to the City Solicitor.

By an amendment to the building ordinance, approved June 9, 1898, the limits of the First Fire District was extended on Purchase street, north to Maxfield street; on Pleasant street, north to Mill street, and including High street from Purchase street to Pleasant street; Kempton street from Purchase street to Pleasant street; Middle street from Acushnet avenue to Pleasant street; Mill street from Purchase street to Pleasant street; also providing that the First Fire District shall include a distance of one hundred feet on both sides of the streets included in said districts, or to at least one-half the distance to the next street running parallel thereto.

This last clause was inserted in order to make clear a question that had often been raised, as to the distance from the line of the streets named, the fire district extended.

I desire to again call attention to the necessity of re-

vising to some extent the building ordinances of the city ; the necessity for doing so becomes more apparent as the city continues to grow.

I shall merely outline a few of the more important changes that I would like to see introduced in the construction of our buildings.

Good strong foundations and underpinnings ; also strong brick piers or iron columns for the support of buildings, should be insisted on.

All brick chimney flues, should have an eight-inch shell, or if built with a four-inch shell, should have a terra-cotta or other safe lining. In this connection I can say, from data in my possession, that there are more fires in dwellings, caused by defective chimney flues, than from all other causes combined ; four fires have occurred in dwellings in this city within the past two months from this cause alone.

Where one or more families are to occupy tenements above the first story, that two flights of stairs placed as far apart as possible, shall be provided to reach every story containing living or sleeping rooms, in order to make safe exits in case of fire. The necessity for this requirement has been forcibly brought out in the case of a recent fire in this city, where four persons lost their lives.

There are certain tenement houses that are considered dangerous fire-traps in this respect. Would it not be well to stop increasing the number of such ?

Wooden buildings should be placed a sufficient distance apart on adjoining lots to allow facilities for putting out fires ; where wooden buildings are allowed nearer the line than the prescribed distance, the wall next the line should be built of brick or stone, with openings if any in said wall to be provided with fire-proof shutters.

The erection of stables of any kind, nearer than a certain limited distance to dwellings should be prohibited.

There are other questions and ideas relating to the work of the Committee on Buildings in the Fire Districts which are not here mentioned, but which will be brought before your Honorable body in due time, by the Committee.

Much of the Inspector's work consists in giving directions and advice as to the proper and safe construction and repair of buildings; examination of plans and specifications filed in the office for approval; seeing that the building ordinance and regulations of the city are complied with; also in attending to many other matters not here tabulated.

I must gratefully thank the Committee on Buildings in the Fire Districts for the able and painstaking manner in which they have advised and assisted in all matters pertaining to the work of the office.

Respectfully submitted,

EDMUND O'KEEFE,

Inspector of Buildings.

IN BOARD OF ALDERMEN,

March 9, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

3d mo. 9, 1899.

Concurred.

WALTER H. B. REMINGTON,

Clerk pro tem.

1899—CITY DOCUMENT No. 13.

REPORT
OF THE
BOARD
OF
OVERSEERS OF THE POOR
OF THE
CITY OF NEW BEDFORD
For the Year 1898.

NEW BEDFORD :
E. ANTHONY & SONS, Incorp., PRINTERS
1899.

MEMBERS OF THE BOARD.

CHARLES S. PAISLER,
CHARLES A. B. PETERSON,
THOMAS G. WING,
ALBERT H. W. CARPENTER.

OFFICERS OF THE BOARD.

CHARLES S. PAISLER,

Chairman.

THOMAS G. WING, to June 21, 1898.

Secretary.

ALBERT H. W. CARPENTER,

from June 22, 1898.

Secretary.

ELLA F. BUCKLYN,

Clerk to the Board.

EDWARD W. DEHN, M. D.,

Physician, North District.

GEORGE F. LEWIS, M. D.,

Physician, South District.

AUGUSTUS A. WOOD,

Visitor to the Board.

ANTONE H. SENNA,

Interpreter to the Board.

AXEL H. JACKSON,

Superintendent of Almshouse.

MRS. ALBERT A. CHACE,

Matron of Almshouse.

REV. EDWARD WILLIAMS,

Chaplain of Almshouse.

STEPHEN P. COFFIN,

Superintendent of Wood and Coal Yard.

OFFICE, CITY HALL. Open daily from 9 to 12.30, and from 2 to 4 P. M. Saturdays, from 9 A. M. to 1 P. M.

REPORT.

To His Honor the Mayor, and the City Council of the City of New Bedford:

GENTLEMEN :—The Board of Overseers of the Poor respectfully submit their annual report for the fiscal year ending December 5, 1898.

The total appropriations subject to the control of this Board for the year 1898 were \$77,020.00. There was expended the sum of \$77,018.19, leaving \$1.81 to revert to unappropriated funds.

There has been during the year reimbursements for the support of poor on account of the Commonwealth \$2,-144.81; from cities and towns, \$2,535.05; from individuals, \$3,504.46; from farm produce, \$588.48; making a total of \$8,772.80, which sum has been paid to the city treasurer, leaving the net expenditure \$68,245.39.

Our large expenditure account was due to the strain of a long textile strike, during which thousands of mill operatives were thrown out of employment, and the wage earners having large families depending upon them, were obliged to apply to this office for relief. As the strike commenced in the month of January, it was impossible for a man to find other employment, so that there were men perchance who were adverse to receiving public charity, but whom from necessity were finally obliged to resort to this means. And thus it was that hundreds of new faces were seen here for the first time. The strictest watch must be kept upon the second application to see that it shall be caused by urgent necessity, that the way to pauperism may not be made too easy.

The income from the city farm has been materially reduced, the committee on public property and charity having taken thirteen acres for Pingree potato patches, about one-seventh part of the city farm, thus reducing in the same proportions the farm products. That portion used by the Pingree system was formerly cultivated for vegetables, or turned into meadow land for hay crop. If used for hay, the land being well tilled and fertilized, the average yield was $2\frac{1}{2}$ tons of hay per acre. During 1898, the Pingree patches occupied 13 acres of the best land on the farm, which if used by this department as meadow land would have given $32\frac{1}{2}$ tons of hay. It is the custom of this department to sell all farm produce not needed for use on the farm. The hay crop each year is more than we can use. Last year we sold hay at fifteen dollars per ton. If the Pingree patch had been used as meadow land, the thirty-two and one-half tons hay would have given this department a return of \$487.50.

The Board of Overseers do not criticize the Pingree system; as a matter of fact, believe the system is a great help to many worthy poor people, but the Board would suggest to the City Council committee on charities whose duty it is to distribute the Pingree patches, that thirteen acres of land is all this department can spare without seriously crippling the resources of the farm.

Especial attention is called to the tabulated statements of the receipts and expenditures of the Board, statistics of outside relief and of those in the Almshouse Department, together with the report of the physicians to the Board.

Respectfully submitted,

CHAS. S. PAISLER, Chairman.

A. H. W. CARPENTER, Sec'y.

FINANCIAL STATEMENT.

DR.

To amount of appropriations,

\$77,020.00

CR.

By amount expended as per monthly audits, as follows :

Months.	Outside Relief.	Lunatic Hospitals.	Cities and Towns.	Alms-house.	Totals.
'97. December,	\$2,457.09		\$59.64	\$1,747.83	\$4,264.56
'98. January,	2,814.78	\$2,485.54	260.52	1,479.09	7,039.93
February,	9,049.06			1,594.26	10,643.32
March,	10,182.63	2,478.99	66.27	1,413.46	14,141.35
April,	4,708.90	12.25		1,589.43	6,310.58
May,	2,798.91		94.00	1,980.14	4,873.05
June,	2,380.46	277.03	114.21	1,898.70	4,670.40
July,	1,657.04	2,380.59	153.00	1,466.43	5,657.06
August,	2,140.55	152.38	32.57	1,531.74	3,857.24
September	2,427.43		33.77	1,516.18	3,977.38
October,	2,722.19	2,470.77	177.25	1,430.11	6,800.32
November	2,257.20	448.14	363.95	1,713.71	4,783.00
Totals,	\$45,596.24	\$10,705.69	\$1,355.18	\$19,361.08	\$77,018.19

Balance to unappropriated funds, \$1.81.

EXPENDITURE IN DETAIL FOR OUTSIDE RELIEF, 1898.

MONTHLY AUDITS.	Groceries.	Lunatic Hos- pital.	Cities and Towns.	Cash Orders.	Salaries.	Physicians and Medicines.	Burials.	Boots and Clothing.	Transporta- tion.	Horse Hire.	Office Ex- penses.	Stationery and Printing.	Board Outside.	Wood and Coal Yard.	Miscellaneous.	Totals.
'97. December,	\$1,176.10		\$59.64	\$216.25	\$252.61	\$170.00	\$160.00	\$3.75		\$40.00	\$105.60	\$11.50	\$182.13	\$87.00	\$42.15	\$2,516.73
'98. January,	1,778.25	\$2,485.54	260.52		262.49	247.15	84.00	46.73		25.05	8.15	60.60		283.96	18.40	5,560.84
February,	6,329.47			407.39	262.49	170.00	144.00	27.06		4.00	19.45	34.09		1,396.16	54.95	9,049.06
March,	7,269.84	2,478.99	66.27	286.65	262.49	221.50	179.00	35.80	\$86.00	2.00	83.12	84.53	36.42	1,641.68	43.60	12,727.89
April,	3,200.98	12.25		249.18	262.49	201.00	175.00	44.66	.50	4.00	10.25	15.73		462.86	82.25	4,721.15
May,	1,474.90		94.00	189.96	493.49	225.65	136.00	24.04	45.53		5.25	22.61	66.28	71.50	43.70	2,892.91
June,	1,255.10	277.03	114.21	240.55	438.49	174.50	72.00	66.37		5.35	14.28	22.50	28.57	43.50	19.25	2,771.70
July,	896.45	2,380.59	153.00	289.76	130.69	190.00	54.00	2.50	30.00	.25	3.56	10.85		44.20	4.78	4,190.63
August,	1,054.30	152.38	32.57	143.80	272.77	177.20	192.00			8.50	6.41	12.80	224.92	47.85		2,325.50
September,	1,237.70		33.77	191.98	272.77	217.15	153.00	3.75		6.35	.60	60.25	73.71	200.17	10.00	2,461.20
October,	1,051.50	2,470.77	177.25	222.85	320.13	183.75	126.25	3.50	53.85		65.75	7.55	323.00	364.06		5,370.21
November,	1,292.25	448.14	363.95	160.91	320.13	188.45	158.50	3.50		4.00	4.93	13.09	43.00	63.44		3,069.29
Totals,	\$28,216.84	\$10,765.69	\$1,355.18	\$2,599.28	\$3,551.04	\$2,366.35	\$1,633.75	\$261.66	\$165.88	\$99.50	\$327.35	\$356.10	\$978.03	\$4,721.38	\$319.08	\$57,657.11

DETAILED EXPENDITURE AT THE ALMSHOUSE, 1898.

MONTHS.	Flour and Grain.	Dry Goods and Clothing.	Beef, Fish, etc., etc.	Groceries.	Shoes, Hats and Leather.	Furniture and Crockery.	Hardware.	Fuel.	Repairs on Premises.	Carriage Repairs and Blacksmithing.	Superintendent Labor and Nursing.	Medicine.	Oils, Paints, etc., etc.	Dressing.	Miscellaneous.	Totals.
'97. December,	\$147.03	\$87.96	\$71.45	\$241.73	\$36.85	\$57.80	\$31.01	\$169.40	\$201.76	\$43.28	\$583.28	\$43.23	\$2.20		\$30.85	\$1,747.83
'98. January,	81.61	96.71	69.66	239.85	24.86	22.05	43.80	124.90	90.34	26.11	603.95	55.25				1,479.09
February,	107.86	135.91	67.88	236.12	48.84	64.13	33.63	115.89	30.13	68.18	617.53	55.39			12.77	1,594.26
March,	82.84	100.37	88.31	273.39	16.40	2.97	21.73	119.04	7.75	15.25	585.83	99.38			.20	1,413.46
April,	176.18	33.04	72.18	429.10	13.02	18.05	26.40	11.69		98.75	640.33	51.16			19.53	1,589.43
May,	122.88	66.09	68.10	167.54	13.24	17.96	59.75	58.37	68.45	62.00	1,175.25	68.23	13.53		18.75	1,980.14
June,	119.57	51.38	76.78	286.30	33.22	14.97	39.56	58.89	4.06	17.88	884.91	39.96	8.54		262.68	1,898.70
July,	120.37	63.02	68.12	254.79	21.86	12.52	42.43	72.70	13.07	28.51	608.27	57.30	10.60		32.87	1,466.43
August,	184.53	32.45	83.23	204.28	17.45	16.12	49.52	67.20	1.40	41.63	759.39	51.97	4.25		15.32	1,531.74
September,	94.60	43.25	79.08	236.71	28.90	15.03	63.68	67.20	41.51	29.73	725.96	51.97	11.48		27.08	1,516.18
October,	139.13	67.36	89.96	256.53	31.15	21.34	28.91		12.83	20.68	733.75	33.00	3.76		2.71	1,430.11
November,	127.07	70.14	80.49	232.67	26.91	11.75	104.90	347.40	5.26	18.95	647.94	32.10	4.66	\$3.47		1,713.71
Totals,	\$1,503.67	\$847.68	\$915.24	\$3,059.01	\$312.70	\$277.69	\$545.32	\$1,212.68	\$476.66	\$470.95	\$8,616.39	\$638.94	\$58.02	\$3.47	\$122.76	\$19,361.08

STATISTICS OF OUTSIDE RELIEF.

Gross cost of persons outside of almshouse,	\$57,657.11
Amount paid for persons in State lunatic hospitals, and in other cities and towns, chargeable to this city,	\$12,060.87
Number of families aided in 1898,	1,683
“ “ settlement here,	532
“ “ settlement elsewhere,	152
“ “ State paupers,	999
Number of persons aided,	6,745
“ “ settlement here,	2,128
“ “ settlement elsewhere,	522
“ “ State paupers,	4,095
Average cost of aid to each family, yearly,	\$27.08
“ “ “ person, yearly,	8.54

TRANSPORTATION.

Number of persons sent to their homes,	72
“ “ “ State almshouse,	79

BURIALS.

Males, 89; females, 76;	165
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INSANE.

Number of insane, at asylum during the year—males, 39; females 42.
Remaining at city expense, Nov. 30, 1898:

At Taunton Insane Hospital,	50
Massachusetts School for Feeble Minded,	2
Massachusetts School for Epileptics,	1
Medfield Insane Hospital,	9
Westboro Insane Hospital,	2
Worcester Insane Hospital.	2
State Farm Hospital,	1

PAUPERS AIDED ELSEWHERE,

But having settlement here (exclusive of lunatics)—Families, 30;
persons, 85.

Amount paid for their support in 1898,	\$1,355.18
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ALMSHOUSE REGISTER.

Number remaining December 31, 1897,

90

MONTHS.	ADMITTED.	DISCHARGED.	REMAINING.
January,	16	6	100
February,	9	6	103
March,	8	13	98
April,	2	6	94
May,	8	16	86
June,	8	9	85
July,	11	13	83
August,	11	11	83
September,	7	9	81
October,	15	4	92
November,	4	10	86
December,	12	7	91
Totals,	111	110	

Whole number during the year,	201
Discharged during the year,	124
Remaining December 31, 1898,	91
Average daily number,	86

PRODUCTS OF FARM FOR 1898.

Hay,	84½ tons.
Straw,	7 "
Fodder corn,	50 "
Oats,	232 bushels.
Potatoes,	589 "
Turnips,	275 "
String beans,	20 "
Peas,	20 "
Parsnips,	20 "
Carrots,	10 "
Onions,	100 "
Squashes,	10,100 pounds.
Beets,	15,000 "
Cabbages,	15,000 "
Pork,	6,893 "
Fowl,	625 "
Tomatoes,	5,000 "
Sweet corn,	8,000 ears.
Milk,	33,732 quarts.
Berries,	100 quarts.
Celery,	240 plants.
Lettuce,	2,000 plants.
Cucumbers,	3,000
Melons,	200

REPORT OF THE PHYSICIAN
OF THE
NORTH DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN :—I herewith submit to you the following report of services rendered during the year 1898, together with brief suggestions for your consideration.

On account of the unusually large number of unemployed during the past year, more than the ordinary amount of medical attendance has been required from your department. So far as I know, all cases have received proper care and treatment, with results as good as could be expected under adverse conditions, such as are often found in the homes of many of the city's poor, and in the crowded, inadequate city almshouse.

The whole number of house visits made, (2576) twenty-five hundred and seventy-six. Number of office consultations, (646) six hundred and forty-six. The almshouse was visited (127) one hundred and twenty-seven times. There occurred during the year (23) twenty-three deaths. There were (19) nineteen cases of childbirth.

At a risk of calling a matter to your attention that must be familiar to your Board, and perhaps deemed un-

called for, I desire to briefly refer to the much needed improvement, indeed relief, relative to the city almshouse, at least so far as the facilities and accommodations for treating the sick poor is concerned.

As you are probably aware of the existing conditions, it is unnecessary for me to explain in detail, except from a professional standpoint, to state that in order to obtain good and proper results, it is of the greatest importance that sick persons should be put in proper places for treatment.

The great necessity to obviate the present serious condition is a hospital building, entirely separate from the almshouse proper; also, separate wards for contagious diseases. Until something of the kind is provided, there is no way of estimating the amount of harm and deaths "directly and indirectly" that is sure to result from inadequate and improper accommodations.

It is a comparatively easy matter to care for the wants of the needy, but it is of much more importance to provide for the sick, even without the humanitarian feature. It seems to me, it will be necessary as soon as possible to make some decided improvements, in order to keep within the requirements of the State laws. Professionally speaking, much can be said in favor of a new city hospital building, and little or nothing in relation to remodelling the present city almshouse for suitable hospital purposes.

Trusting the subject matter is timely and of sufficient importance to merit your consideration, I have again to thank you for the uniform kindness ever shown me by your Board and efficient aids, I have the pleasure to subscribe myself as being

Yours very truly,

EDWARD W. DEHN, M. D.

REPORT OF THE PHYSICIAN
OF THE
SOUTH DISTRICT
TO THE
BOARD OF OVERSEERS OF THE POOR.

GENTLEMEN :—In submitting my report for the year 1898 to your honorable board, I desire to call your attention to the decrease of the visits from that of last year, namely, 600. This I believe to be due to the fact that the past year has been remarkably healthy ; in fact, more so than for years ; again, a number of streets have been raised, and macadam has taken the place of stagnant pools of water which were a menace and source of infection.

The almshouse sick have received kind and careful attention, and although the place is inadequate for treating the sick, the improvement in the sanitary conditions has given a less percentage of sickness.

The district nurse has contributed her share to the comfort of the city poor, and has been a great help to the south district physician.

In closing my connections with the Poor Department, I most sincerely thank the Board for their kind consideration of the past year.

REPORT.

House visits,	1,275
Office calls,	363
Births,	33
Deaths,	18
Almshouse visits,	68

Respectfully submitted,

GEORGE F. LEWIS, M. D.

IN BOARD OF ALDERMEN,

May 11, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

5 mo., 11, 1899.

Concurred.

WM. A. MACKIE,
Clerk.

1899—CITY DOCUMENT No. 14.

FIFTH ANNUAL REPORT
OF THE
DEPARTMENT OF PARKS
OF THE
CITY OF NEW BEDFORD.
1898.



NEW BEDFORD:
E. ANTHONY & SONS, Incorp., CITY PRINTERS.
1899.

COMMISSIONERS.

CHARLES S. ASHLEY,
MORGAN ROTCH,
F. WM. OESTING,
JOHN ELDRIDGE, JR.

OFFICERS.

CHAIRMAN EX-OFFICIO,
CHARLES S. ASHLEY.

SECRETARY,
WILLIAM S. COOK.

SUPERINTENDENT,
CHARLES F. LAWTON.

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF PARK COMMISSION,
ODD FELLOWS BUILDING,
December 3, 1898.

To the City Council of the City of New Bedford:

GENTLEMEN :—The Board of Park Commissioners herewith present its fifth annual report of its doings for the year 1898.

The work of the Department of Parks during the year closed has consisted almost entirely in maintaining the system as it now exists. No additions have been made to the park area now owned, and the increased use of the parks has required the expenditure of our whole appropriation in caring for our citizens who use the parks and the keeping of the parks in good condition.

The reports of the Secretary and Superintendent give in detail the work accomplished during the year,

Respectfully submitted,

CHAS. S. ASHLEY,
JOHN ELDRIDGE, JR.,
MORGAN ROTCH,
F. WM. OESTING,
Park Commission.

FIFTH ANNUAL REPORT
OF THE
SUPERINTENDENT OF PARKS
FOR THE YEAR 1898.

Superintendent's Report.

OFFICE OF SUPERINTENDENT OF PARKS,
ODD FELLOWS BUILDING,
December 3, 1898.

To the Park Commissioners of the City of New Bedford:

GENTLEMEN:—The fifth annual report of the work of this department for the twelve months ending December 3d, 1898, is herewith submitted.

BROOKLAWN PARK.

The improvements for the year consist mainly in the completion of the deer pen, in which we have now a herd of five deer, and the draining and clearing up of considerable land west of the grove. By filling in and grading this space, the available area of the grove has been largely increased. A large number of pine trees in the west part of the park were blown down in the storm of November. A 24-inch pipe has been laid from the outlet of the pond to the culvert crossing Acushnet avenue, and the low ground between the pond and the avenue partially filled in. Some of the timber directly adjoining the wood drive has been cleared off with a view to widening the drive sufficient for carriages to pass. A fine display of plants and shrubs has been made during the season.

BUTTONWOOD PARK.

No extensive improvements have been made here, as the available funds did not allow of it. The storm of November 27th broke down the wire fence around the deer pen, and the entire herd of 13 deer ran loose in the

woods for a number of days. We succeeded in capturing all but four, and a new and much stronger fence has been ordered.

COMMON.

The floral features at the Common were largely developed during the year, and the appearance of this beautiful garden in the heart of the city won the praise of strangers as well as citizens.

MARINE PARK.

This park being a reservation of the United States Government was early in the year taken possession of by the War Department. A camp of Massachusetts Volunteers was maintained till after the close of the Spanish war, and the government has built two emplacements for 8-inch disappearing guns. During this work the public has been excluded from the reservation, but it is expected that later on the grounds will be opened to the public, but subject to the rules governing a military post.

GROVE PARK.

No improvements have been made here. The park has served as a place of rest for the people in that part of the city.

TRIANGLE PARK.

This park has received the care of a florist, and the display of flowers and shrubs has been appreciated by the citizens of that section of the city.

Respectfully submitted,

C. F. LAWTON.

SECRETARY'S
FIFTH ANNUAL STATEMENT
OF
PARK EXPENDITURES.

SECRETARY'S REPORT.

NEW BEDFORD, Dec. 3, 1898.

To the Chairman and Members of the Park Commission.

GENTLEMEN:—I submit herewith the fifth annual report of the receipts and expenditures of the Department of Parks for the year ending Dec. 3d, 1898.

Respectfully submitted,

WM. S. COOK,

Secretary.

STATEMENT OF PARK EXPENDITURES.

COMPARATIVE STATEMENT.		ITEMIZED STATEMENT.	
		1892-S.	
1892.	\$77,936.87		\$63,514.98
1893.	5,734.79	Buttonwood park,	64,526.23
1894.	24,458.95	Brooklawn park,	23,639.79
1895.	21,321.17	Common,	8,541.94
1896.	10,054.26	Marine park,	615.25
1897.	14,834.89	City Hall square,	699.16
1898.	20,620.70	Triangle park,	9,285.47
		Grove park,	632.58
		Pine Grove park,	3,506.23
		Office expenses,	
			<u>\$174,961.63</u>
			\$174,961.63

FINANCIAL STATEMENT FOR THE YEAR 1898.

DR.	Cr.
Buttonwood park,	
Brooklawn park,	
Common,	\$6,173.63
Triangle park,	10,198.84
Grove park,	3,320.16
Office expenses,	50.00
City Hall square,	63.00
	662.49
	152.58
	<u>\$20,620.70</u>
	<u>\$20,620.70</u>

\$20,000.00
83.00
537.70

MAINTENANCE OF BUTTONWOOD PARK.

Keeper,		
Police,	\$728.00	
Teaming,	673.00	
Labor,	288.95	
Half holiday,	2,152.48	
Animals and maintenance,	106.42	
Stock and labor on buildings,	610.26	
Tools and supplies,	1,064.12	
Lighting,	469.08	
	81.32	
	<u>\$6,173.63</u>	
		<u>\$6,173.63</u>

\$65.00
6,108.63

MAINTENANCE OF BROOKLAWN PARK.

Keeper,	\$837.50	Credits,	\$14.00
Police,	1,265.80	Net expenditure,	10,184.84
Labor,	5,280.46		
Teaming,	255.60		
Half holiday,	261.14		
Animals and maintenance,	323.39		
Stock and labor on buildings,	1,265.40		
Tools and supplies,	448.53		
Plants and flowers,	261.02		
	<u>\$10,198.84</u>		<u>\$10,198.84</u>

MAINTENANCE OF THE COMMON.

Gardener,	\$618.66	Credits,	\$4.00
Labor,	1,485.93	Net expenditure,	3,316.16
Half holiday,	65.27		
Lighting,	251.50		
Plants and flowers,	581.73		
Tools and supplies,	250.35		
Teaming,	66.72		
	<u>\$3,320.16</u>		<u>\$3,320.16</u>

MAINTENANCE OF TRIANGLE PARK.

Care of flower beds,	\$50.00	Net expenditure,	\$50.00
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MAINTENANCE OF GROVE PARK.

Repairing and carting settees,	\$63.00	Net expenditure,	\$63.00
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OFFICE EXPENSES AND MISCELLANEOUS.

Superintendent and clerk, Report, Miscellaneous, Printing, City Hall square (Urinal),	\$600.08 41.66 17.25 3.50 152.58	Net expenditure,	\$815.07
	\$815.07		\$815.07

TO WHOM AND FOR WHAT MONEY WAS PAID DURING
1898.

Jan. 15.	C. H. Brownell & Son, supplies for animals,	
	Nov. 26, Dec. 24,	\$34.04
	C. F. Cushing, 8 straps,	2.00
	Denison Bros. Co., coal,	10.00
	N. P. Hayes, step-ladders,	1.80
	Hillman, Washburn & Co., screws, chain, pulleys, etc.,	3.56
	N. B. Gas & Edison Light Co., lights,	14.00
	Isaac C. Sherman & Son, supplies for animals,	4.75
	Taylor & Donaghy, stock and labor on bear cage,	107.95
	Wood, Brightman & Co., supplies,	4.59
	Pittsburg Woven Wire Fence Co., bar frame, etc.,	51.50
	C. G. & G. A. Randall, lumber and carting,	4.49
	E. C. Taber, supplies for animals,	15.80
	Wm. R. West, paint,	4.25
	Wilson & Wordell, supplies for animals,	10.00
	N. B. Gas & Edison Light Co., lights,	21.60
	Thomas M. Hart & Co., repairing flag,	2.25
Feb. 15.	C. H. Brownell & Son, supplies for animals,	36.49
	Denison Bros. Co., coal,	20.00
	Highways and streets, ice plane and paint,	16.23
	James Gilchrist, deer,	25.00
	Highways and streets, stock, labor and teaming, (deer yard,)	133.65
	N. Y., N. H. & H. R. R. Co., freight on wire,	3.17
	So. Mass. Telephone Co.,	.35
	E. C. Taber, supplies for animals,	15.71
	Wood, Brightman & Co., galvanized iron, nails,	24.65
	N. B. Gas & Edison Light Co., lights,	20.52
	Highways and streets, dressing, carting, etc.,	80.91
	Highways and streets, carting settees,	10.55
	Geo. H. Nye, pictures for report,	4.50
	Suffolk Engraving Co., plates and impressions,	21.86
Mar. 15.	Brownell & Co., asphaltum, turpentine, etc.,	3.35
	C. H. Brownell & Son, supplies for animals,	34.70
	Denison Bros. Co., coal,	10.00
	Geo. E. Hatch, galvanized iron, etc.,	3.85
	Albert W. Holmes, coal,	37.93
	F. B. Manchester, cabbage,	14.96
	N. B. Gas & Edison Light Co., lights,	24.00
	N. B. Boiler & Machine Co., fitting bear cage,	22.86
	Isaac C. Sherman & Son, supplies for animals,	12.25
	Chas. S. Paisler, pipe,	94.43
	Lloyd P. Swain, century plant,	2.50

Mar. 15.	E. C. Taber, supplies for animals,	\$15.56
	N. B. Gas & Edison Light Co., lights,	17.10
	W. Atlee Burpee, seeds,	4.85
April 15.	C. H. Brownell & Son, supplies for animals,	38.26
	Highways and streets, clearing snow from pond,	66.90
	Highways and streets, stock, labor and teaming,	90.83
	Geo. Kirby, Jr., & Son, indian red,	4.80
	Isaac C. Sherman & Son, supplies for animals,	5.50
	DeWolf & Vincent, supplies,	12.38
	David Duff & Son, coal,	16.00
	General sewers, pipe,	153.00
	S. S. Paine & Bro., brick,	8.70
	Highways and streets, labor deer yard and house,	52.57
	Highways and streets, stock, labor and teaming,	647.38
	E. C. Taber, supplies for animals,	13.40
	DeWolf & Vincent, supplies,	9.90
	Highways and streets, dressing,	185.42
	Highways and streets, labor and teaming,	72.71
	N. B. Gas & Edison Light Co., lights,	19.38
	Highways and streets, labor on seats,	48.85
May 15.	P. Black, setting up topmast,	5.10
	C. H. Brownell & Son, supplies for animals,	43.87
	David Duff & Son, carting rigger's gear,	2.00
	Hillman, Washburn & Co., netting, staples, etc.,	19.94
	Jenney Hardware Co., settees,	175.00
	N. B. Cordage Co., manila rope,	24.64
	Chas. S. Paisler, lime and carting,	1.40
	Isaac C. Sherman & Son, supplies for animals,	4.00
	P. Black, setting up topmast,	5.09
	DeWolf & Vincent, scraper,	1.20
	John McCullough, 1,019 lbs. fine bone,	11.81
	E. C. Taber, supplies for animals,	16.71
	P. Black, setting up topmast,	5.09
	Edwin Allen, express on plants,	.40
	DeWolf & Vincent, supplies,	20.10
	Jenney Hardware Co., sharpening lawn mowers,	6.13
	Jacob W. Manning, plants,	2.20
	N. B. Gas & Edison Light Co., lights,	19.38
	Mercury Pub. Co., printing reports,	10.30
	W. H. Collins & Co., binding reports,	5.00
June 15.	Dr. A. M. Bigelow,	4.00
	Brownell & Co., oil and carting,	2.50
	C. H. Brownell & Son, supplies for animals,	45.75
	C. F. Cushing, collar and chain,	1.10
	Samuel Gratto, filing saws and repairing wheel to cage,	2.50

June 15.	Isaac C. Sherman & Son, supplies for animals,	\$1.60
	Taylor & Donaghy, labor and stock on bear cage,	16.45
	Wood, Brightman & Co., tools and wire,	20.03
	Wilson & Wordell, seed,	2.00
	DeWolf & Vincent, shears, files, etc.,	2.70
	N. B. Gas & Edison Light Co., lights,	21.66
	Almy & Hitch, repairing flag,	1.35
	DeWolf & Vincent, axes, mattocks, etc.,	12.40
	N. Y., N. H. & H. R. R. Co., express on wire fence,	.99
	Pittsburg Woven Wire Fence Co., fence,	26.80
	E. C. Taber, supplies for animals,	19.76
	Wilson & Wordell, seed,	6.00
July 15.	C. H. Brownell & Son, supplies for animals,	46.25
	Thomas W. Croacher, lumber,	167.79
	Denison Bros. Co., coal,	10.00
	Hillman, Washburn & Co., tools and wire netting,	6.95
	Highways and streets, stock, labor and teaming,	136.44
	S. S. Paine & Bro., cement,	1.66
	C. G. & G. A. Randall, lumber,	35.43
	Isaac C. Sherman & Son, supplies for animals,	2.70
	Martin H. Sullivan, wood,	1.50
	E. E. Wright, standard flag,	18.00
	Edwin Allen's Express, bundle,	.40
	Blossom Bros., lumber, door, frames, carting, etc.,	7.93
	DeWolf & Vincent, tools and netting,	4.53
	Highways and streets, stock, labor and teaming,	60.34
	Jenney Hardware Co., settees, repairing lawn sprinkler,	175.25
	E. C. Taber, supplies for animals,	31.35
	E. & K. C. Terry, lumber,	2.14
	Wm. S. Brown, plants,	169.92
	Wm. S. Brown, plants,	52.28
Aug. 15.	DeWolf & Vincent, knives,	4.95
	Highways and streets, stock, labor and teaming,	14.21
	N. B. Gas & Edison Light Co., lights,	22.42
	Geo. D. Richards, brooms,	1.88
	Western Union Telegraph Co.,	.35
	Pittsburg Woven Wire Co., dipper, chain, etc.,	1.10
	Highways and streets, blacksmithing and carting,	2.90
	Highways and streets, expenses to Boston,	7.25
	Francisco V. Andrade, milk,	10.98
	Bliss & Nye, chimneys,	1.00
	C. H. Brownell & Son, supplies for animals,	28.51
	Samuel Gratto, filing saws, sharpening lawn mower,	2.25

Aug. 15.	N. B. Gas & Edison Light Co., lights,	\$11.78
	Richard E. Nofitz, carting plants to park,	2.50
	Isaac C. Sherman & Son, supplies for animals,	13.22
	Frank B. Sistare, lumber and labor,	202.76
	S. S. Paine, lime and carting,	7.90
	Blossom Bros., lumber and carting,	24.07
	DeWolf & Vincent, 6 grass catchers for mower,	13.80
	DeWolf & Vincent, screws,	.72
	E. C. Taber, supplies for animals,	21.96
	Elihu Bunker, paris green, etc.,	.53
	N. B. Gas & Edison Light Co., lights,	23.56
	Wm. Peirce, plants,	75.29
	Geo. D. Richards, brooms,	4.88
	Mercury Pub. Co., ordinances,	3.50
Sept. 15.	C. H. Brownell & Son, supplies for animals,	25.14
	Francisco V. Andrade, milk,	5.58
	DeWolf & Vincent, lawn mower,	13.00
	N. B. Gas & Edison Light Co., lights,	11.78
	Wood, Brightman & Co., fitting pump,	3.00
	DeWolf & Vincent, copper wire,	.35
	S. S. Paine & Bro., pipe,	9.50
	N. D. Phinney, hats for police,	6.00
	H. B. Remington, use of team,	84.60
	M. C. Swift & Son, blouses for police,	22.00
	E. C. Taber, supplies for animals,	23.76
	Alonzo P. Stone, mowing Brooklawn,	4.50
	S. Desautels, carriages,	10.00
	Almy & Hitch, repairing flag, etc.,	2.15
	DeWolf & Vincent, one side-plate for mower,	1.25
	DeWolf & Vincent, emery,	.15
	N. B. Gas & Edison Light Co., lights,	23.56
Oct. 15.	C. H. Waite, 630 cannas,	25.20
	Wood, Brightman & Co., supplies,	4.90
	Francisco V. Andrade, milk,	3.96
	Denison Bros. Co., coal,	12.00
	Highways and streets, stock, labor and teaming,	137.75
	Isaac C. Sherman & Son, peanuts,	34.91
	Hillman, Washburn & Co., netting, bolts, etc.,	18.65
	E. C. Taber, supplies for animals,	26.14
	Highways and streets, stock, labor and teaming,	45.66
	Henry P. Willis, hats for police,	11.70
	DeWolf & Vincent, one side-plate for mower and express,	1.60
	A. B. Hathaway, 699 cannas,	27.96
	Highways and streets, stock, labor and teaming,	43.28

Oct. 15.	C. G. & G. A. Randall, shingles,	\$.69
	N. B. Gas & Edison Light Co., lights,	22.80
	R. H. Woodhouse, care of park,	50.00
Nov. 15.	Frank V. Andrade, milk,	3.72
	P. Black, housing topmast,	4.13
	C. H. Brownell & Son, supplies for animals,	55.54
	Samuel Gratto, filing and setting saws,	1.00
	N. B. Gas & Edison Light Co., lights,	11.40
	Isaac C. Sherman & Son, peanuts,	19.29
	P. Black, housing topmast,	4.13
	E. C. Taber, supplies for animals,	24.53
	Henry A. Dreer, tulips,	60.00
	Henry W. Cushman, sawdust,	1.40
	E. B. Swift, sash,	22.50
	N. B. Gas & Edison Light Co., lights,	22.80
	Hatch & Co's Express, express on plants,	6.10
	Henry A. Dreer, tulips,	111.00
	DeWolf & Vincent, supplies,	7.20
	P. Black, housing topmast,	4.13
	Wood, Brightman & Co., repairing pump,	6.10
Dec. 15.	Francis V. Andrade, milk,	3.60
	C. H. Brownell & Son, supplies for animals,	32.72
	Denison Bros. Co., coal,	12.00
	Samuel Gratto, one squirrel cage and repairing lamp,	1.65
	Highways and streets, stock, labor and teaming,	57.63
	Chas. F. Manchester, cabbage,	25.35
	N. B. Gas & Edison Light Co., lights,	8.36
	Geo. D. Richards, baskets,	.90
	Isaac C. Sherman, peanuts,	18.62
	Blossom Brothers, lumber, sawing and carting,	5.50
	Wm. S. Brown, hot-bed sashes,	20.00
	David Duff & Son, coal,	27.68
	Hatch & Co., express on plants,	2.60
	Highways and streets, stock, labor and teaming,	59.75
	General sewers, backing and wedges,	1.44
	James L. Sherman, lumber,	5.99
	E. C. Taber, supplies for animals,	18.05
	DeWolf & Vincent, supplies,	1.97
	Elihu Bunker, drugs,	.35
	Highways and streets, stock, labor and teaming,	57.40
	N. B. Gas & Edison Light Co., lights,	16.72
	Highways and streets, carting settees,	.70
	S. S. Paine & Bro., pipe and cement,	2.86
	Wood, Brightman & Co., trap, pipes, etc.,	26.26

1898.

DEPARTMENT OF PARKS.

23

Dec. 15.	City of New Bedford Water Board, pipes,	\$7.86
	Blossom Bros., lumber, sawing and carting,	39.30
	Highways and streets, labor on urinal,	38.76
	General sewers, labor on urinal,	37.54
	N. B. Gas & Edison Light Co., lights,	23.39
		\$6,086.01

IN BOARD OF ALDERMEN,

March 23, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

3d mo. 23, 1899.

Concurred.

WM. A. MACKIE,

Clerk.

1899—CITY DOCUMENT No. 13.

FOURTH

ANNUAL REPORT

OF THE

CEMETERY BOARD

FOR THE YEAR 1898.

NEW BEDFORD:
E. ANTHONY & SONS, Incorp., CITY PRINTERS.
1899.

Cemetery Board.

JAMES DELANO, *Chairman.*

JOHN G. NICHOLSON.

CHARLES H. VINAL, *Secretary.*

CHARLES F. CORNELL, *Superintendent.*

PARDON A. MACOMBER, *Clerk.*

SEXTONS :

NELSON L. PIKE,	Rural Cemetery.
HURLBERT E. THOMAS,	Oak Grove Cemetery.
ANDREW J. SKIFF,	Pine Grove Cemetery.

OFFICE :

Merchants Bank Building,
Room 304.

REPORT.

CITY OF NEW BEDFORD,
OFFICE OF CEMETERY BOARD,
NEW BEDFORD, MASS., Dec. 4, 1898.

To the City Council, City of New Bedford.

GENTLEMEN :—The Board of Cemetery Commissioners respectfully submits its fourth annual report, the same being for the year ending December 4, 1898.

RECEIPTS AND EXPENDITURES.

DR.

Balance old account,	\$2,954.99
Annual appropriation, January 27, 1898,	14,800.00
Appropriation, July 20, 1898,	1,500.00
Appropriation, special (extension of water), June 9, 1898,	2,000.00
Receipts labor on lots,	7,477.01
	\$28,732.00

CR.

By transfer to unappropriated funds (see Auditor's report),	
balance of old account,	\$2,954.99
Expenditures, general,	23,349.82
Extension of water main, 1,000 ft., Rural Cemetery.	1,000.00
Extension of water main, 1,000 ft., Oak Grove Cemetery,	1,000.00
Balance to new account,	427.19
	\$28,732.00

RECEIPTS AND EXPENDITURES.—SALE OF LOTS.

DR.

Balance old account,	\$1,887.09
Receipts to December 16, 1898,	3,638.00
	\$5,525.09

CR.

Expenditures (improvement and embellishment),	\$3,799.99
Balance to new account,	1,725.10
	\$5,525.09

For a detailed account of expenses, reference is made to the City Auditor's report.

It is gratifying to note the growth of interest on the part of the people of New Bedford, in the development and improvement of the local cemeteries since they have been under the government and control of a board of commissioners; that it may well be believed that the movement is not due to any local revival of interest, but to a widespread appreciation of the effort made by those having them in charge, the judicious expenditure of the cemetery funds, and of the benefits to be realized. The devoted efforts of the board for the past four years to educate the people to the opportunities which lay ready at hand to improve their lots are bearing fruit, and the result will soon surely be that our cemeteries will call for as much comment on their attractive condition as they have in the past on their crude and neglected appearance.

The superintendent, Mr. C. F. Cornell, has been untiring in his efforts to constantly improve the general appearance of the cemeteries, and to conduct an uninterrupted progress in the extension of new work. His long experience of twenty-seven years in the local cemeteries makes his knowledge of them invaluable, and we herewith present statistics of the work of the year from his report :

Nearly the whole season seventy-one men and six teams have been employed.

500 feet of new avenues have been macadamized in Rural, and 900 feet in Oak Grove Cemetery.

New gutters paved—70 ft. Rural and 735 ft. Oak Grove.

Avenues repaired—425 ft. Rural and 650 ft. Oak Grove.

No. of lots prepared for sale—68 in Rural.

No. of single graves for sale—372 in Rural.

Total number of lots sold, 116.

No. of bodies entombed—34 Rural, 17 Oak Grove, 2 Pine Grove.

No. of interments in 1898—223 Oak Grove, 296 Rural, 14 Pine Grove.

Removals to other cemeteries—5 Rural, 9 Oak Grove.

No. of lots cared for in Oak Grove Cemetery, 610.

Increase over last year, 37.

No. of lots cared for in Rural Cemetery, 758.

Increase over last year, 46.

No. of lots cared for in Pine Grove Cemetery, 28.

No. of neglected lots refitted—3 Oak Grove Cemetery, 10 Rural Cemetery.

No. of neglected graves, 293.

One new plot in Oak Grove Cemetery has been prepared for public ground with a burial capacity of 885.

46 feet of akron drain pipe with culvert, and 75 feet of stone drain with culvert, have been laid in Rural Cemetery, all leading into the pond.

265 ft. of foundation for new wall has been built in Oak Grove Cemetery.

Hedges condemned and removed—12 Rural, 6 Oak Grove.

222 trees and shrubs have been added during the year.

The severe storm of November 26 and 27 did not spare the city of the dead. Twenty-three trees and 27 headstones and about 150 feet of fence in the Griffin St. Cemetery were blown down. The fallen trees have been removed, and the Board has notified proprietors of lots damaged by the storm and desire that immediate repairs be made on the same.

With the opening of the season the Board found it necessary to immediately enter upon the layout of the new extension to the Oak Grove Cemetery. The work of turning this wild land into soil suitable for burial purposes has continued through the season. The landscape

or lawn system having been adopted for this section of the cemetery, and a growing demand for additional lots, made it necessary to open a large section of this new land.

The accompanying illustration shows this portion of the cemetery in process of reconstruction, and in a rough and unfinished condition as the close of the season requires us to leave it.

PINE GROVE CEMETERY.

Pine Grove Cemetery is the only cemetery now outside of the thickly populated portion of the city, and should have a successful future. No effort should be spared in the way of procuring and caring for material for landscape, development, and improvement. Some new facts in connection with Pine Grove Cemetery may be interesting.

This cemetery was purchased by the City of New Bedford during the administration of the Hon. Rodney French. The price paid was \$512.50, March 26, 1853. The establishment of this cemetery was due to the fact that a burial place, sufficiently distant from the rapidly growing population of New Bedford, was needed. The tract selected contains the highest land available of any property in this locality, and affords necessary facilities for drainage. The soil is suitable, and with several ridges and depressions, affords a variation in levels and undulations. It contains about ten acres, a portion of which still is considerable of a wild wood, with heavy undergrowth. Several varieties of forest trees are represented, the pine predominating. Between four and five acres have been robbed of their wild character, graded, drained and transformed into burial sections of various outlines and size, and gravelled drives, in accordance with plans furnished by the city's engineer, W. F.

Williams. The entrance is set back a considerable distance from the approaching avenue. The Board desires at some future period to replace the present gateway with a structure of a rustic design, to rebuild the approaches, and otherwise beautify the entrance by planting a variety of vines, trailers and shrubbery.

GRIFFIN STREET CEMETERY.

These grounds were purchased in the year 1802 for the purpose of a common burying ground for the common use of the village of New Bedford, for the payment of which \$500 was raised by voluntary contribution.

Upon the ancient tombstones intelligible inscriptions still remain and give testimony to the lives of those who pioneered our city, but the majority of interments are unknown, and nothing but the grassed mound remains as a silent tribute to the memory of the dead.

The Board directed its superintendent at the beginning of the year to prepare flower beds in these grounds, and under the supervision of Jahn Brothers three large ornamental flower beds have graced this cheerless spot. Ornamental trees have also been planted, and the spot once abandoned to a playground and pasture, now appears sacredly devoted to the burial of the dead.

We have endeavored by illustrations to show these grounds, but the surrounding buildings and factories do not harmonize with the pictures, and the effect is unsatisfactory. We therefore suggest that our citizens interested will visit these grounds in the period of summer and autumn, and those who recall their former neglected condition can fully appreciate the efforts of the Board.

SOLDIERS' AND SAILORS' LOT.

The soldiers' and sailors' lot is beautifully situated on a commanding elevation in the Rural Cemetery. The

graves are a continuous circle, except for the paths leading to the centre, which at regular intervals intercept them.

Passing through the cemetery and gazing off across the different sections to this lot, the thoughts of many a veteran are carried back thirty-five years ago, to the fields where the battles were raged, and their associates who struggled there. Most truly can the old soldier say with the poet :—

“Methinks I hear the battle drums
You heard so long ago ;
Methinks I hear the bugle blasts
That led you to the foe.”

For there before them appeared many of the scenes their eyes had beheld in those eventful bygone days.

Many heroes are here, and it is a sad pleasure to gaze upon the lovely spot and to think the brave men rest now. They have fallen “into that dreamless sleep that kisses down their eyelids still.”

Not alone does the Soldiers’ and Sailors’ lot mark the resting-place of our honored dead. Scattered throughout the cemeteries are the graves of our fallen heroes. The institution of “Decoration Day,” the observance of which has for its special object the “keeping the memory green” of those who fell in the country’s service by decorating their graves with the early flowers of the year.

On Decoration Day of this year, the Women’s Relief Corps, No. 95, placed in Oak Grove Cemetery a beautiful memorial vase. It stands 53 inches high, filled with growing plants, on the lawn as you enter the cemetery, and testifies to the devotion of the people to its fallen heroes, and to the cause for which they suffered.

WATER EXTENSION.

Early in the season of 1898 the Board was informed by the Board of Health that it was imprudent to longer

maintain the wells in the cemeteries, and following their suggestion seven valuable wells were necessarily abandoned and filled up. In consequence of this action it became imperative to extend the water main in the Oak Grove and Rural cemeteries. Through the efforts of Alderman Sylvia, Jenney and Lawton, (the committee on burial grounds,) a special appropriation of \$2,000 was secured for this purpose, which has enabled the Board to distribute the water 1,000 feet in these cemeteries, with 15 additional hydrants scattered along the avenues at intervals, thus supplying water to many new and remote sections, the appreciation of which has been many times expressed to the Board by those who frequent the cemeteries and have occasion to use them. It is therefore apparent to the Board that it is highly essential that a reasonable extension of the city water be made each year in the several cemeteries, for the accommodation of those owning lots in them.

THE BOARD.

Since the organization of the Board of Cemetery Commissioners in April, 1895, it has diligently sought, not merely to perform its required official duties, but to promote and further certain stated objects, such as the preservation of printed and manuscript records of local cemeteries, the correct record of all past and future burials, the preservation of graves and memorials of pioneer settlers, the care of graves, and the protection of the interests of all by the adoption of rules and regulations which are not arbitrary, but which command respect.

We venture in this report to draw the attention of the people of New Bedford to the broader fields of cemetery memorials, in which something more than the mere selfish idea involved in the family sarcophagus, shaft or kindred monument asserts itself. Many gifts are being made to

cemeteries here and there over the country; gifts that, while adding to the attractive features of the cemetery, serve in far more than an ordinary sense, the effect of a memorial. Excellent, appropriate and useful memorials may consist of entrances, fountains, shelter houses, chapels, trees, and in fact nearly every accessory that serves to lead a cemetery fulfilling its purposes under every aspect that its location, condition and destiny may suggest.

THE MANOAH.

The only gift to the cemeteries on record is the little spot situated in the northwest section of the new part of Rural cemetery, and contains 55.9 rods of land. It was conveyed to the city of New Bedford by Mr. George F. Bartlett, Dec. 7, 1882, upon the following stipulated conditions:

1st. That the said lot shall be used for free burials for the poor, including those whose friends ask for, or will accept of burial therein, irrespective of race or creed.

2nd. That said lot shall be laid out as per plan prepared by the city surveyor and on file at his office.

3rd. That said lot be prepared for not exceeding 125 burials, with graves so arranged as to be accessible by footpaths, with grass borders of not less than three feet in width on each side of said footpaths.

4th. Said lot, including the grass borders and paths, to have perpetual care from the city, and to be kept in as good condition as the rest of the cemetery under the city's care.

5th. That said lot shall be known as "Manoah," on Grove avenue.

6th. That said lot shall be laid out for burials according to the conditions stated within, one year from Dec. 7, 1882.

The Manoah has been prepared in compliance with these requirements, and has been nearly filled with graves, and stands as a memorial to the worthy poor. It is adjacent to a beautiful little grove in which seats are placed, and where many visitors desire to linger and pass an hour or more near the spot made sacred to them personally.

RECORDS.

Nothing is more important in the affairs of a well conducted cemetery than a comprehensive set of records; in fact, no cemetery is too insignificant to treat the records with indifference. The Board is constantly receiving and preserving valuable records which were supposed to have been lost. Many errors and complications of transfers, made in former years, because of the absence of a system of records, have now been cleared. The City Engineer has completed the field work of Rural and Oak Grove cemeteries, and work is being rapidly transferred to plat books at the office, and a complete diagram of each individual lot is shown, drawn to scale, and describing the location and the interments thereon. These plat books are invaluable to lot owners, as it enables them to locate a grave without a visit to the cemetery.

PERPETUAL CARE.

The advantage of the "perpetual care" system which has been so strenuously advocated for the past few years, is at last reaching out to the intelligence of the masses, and many cemeteries are incorporating its requirements in their business transactions. Like all other efforts of progress, it requires energetic advocacy to implant its suggestiveness in the mind of the average lot-holder, for it calls for an immediate money outlay, but when the lot-owner fully grasps the true meaning of perpetual care, the question of meeting the financial requirements finds a

solution generally quicker than was expected. Once arranged for, the general care of the lot becomes the duty of the cemetery officials. Absence, forgetfulness, carelessness, and a thousand excuses which offer themselves as a palliation of neglected duty, are offset, and the solid comfort remains that the little plot in the cemetery will be kept in order intelligently and conscientiously, and that a care, always sad and often a burden, both to thought and action, is lifted for all time as far as present arrangement can be made. It is only necessary to draw attention to the improved appearance of the lots in the cemeteries under perpetual care compared with those in the older portions of the cemeteries, left to the care of lot-owners, or so called friends, to emphasize the value of this provision.

Amount of perpetual care fund,	\$42,057.81
Amount of interest accrued on perpetual care fund to May 1, 1898,	4,172.88
Amount expended on lots in perpetual care in 1898,	1,413.97
Number of lots placed in perpetual care in 1898,	51
Total number of lots in perpetual care:	297 Rural Cemetery,
	195 Oak Grove “
	5 Pine Grove “
	2 Peckham West “
	1 St. Mary's “
	1 St. John's “

RULES AND REGULATIONS.

The Board desires that the public should have a general knowledge of the rules governing the cemeteries. They have caused them to be published in the daily papers, and copies are constantly being distributed from their central office. In compiling these rules, they have considered the rules in force in all the recognized model cemeteries in the United States, and unanimously adopted such as in their opinion are necessary for the best interests of lot owners in New Bedford. There is no disposi-

tion to interfere with the preferences and tastes of lot-owners, but nevertheless, the stability of the improvements, the good appearance of the grounds, a proper mode of burial, and a respectful observance of the sacredness of the place requires some arbitrary rules, in which the rights of an individual are made secondary to the general good. It is the aim to make the cemeteries quiet resting places for the dead, where well kept turf and varied foliage of trees and shrubbery shall give a sense of repose.

LAWN PLAN AND LANDSCAPE.

Municipal corporations having cemeteries under their control, are now generally exercising considerable activity to effect improvements and provide the necessary facilities for conducting such properties on the more modern ideas now widely operating. Our city, last year found it necessary to increase the area of Oak Grove cemetery, and its burial grounds are so rapidly filling that further accommodation is more or less imperative. The Cemetery Board before undertaking the improvements, examined the cemetery development question very carefully, in relation to modern cemetery practice, and requested the City Engineer to study the subject and submit plans for the work. This has been done and the lawn plan is to be adopted to all new work. The advantage of this, both as regards appearance and the facility afforded for the better care of the lots always impresses the thoughtful mind, and a comparison between a section so treated and one under the old style is generally a potent argument. There is another and most important advantage in the lawn plan for cemeteries controlled by municipal authority,—it avoids so many paths and the waste of lot surface for that purpose.

SUNDAY FUNERALS.

The course of events is rapidly determining that the Sunday funeral, except in dire necessity, shall be a thing of the past. The necessity of maintaining a working force at the cemetery on the Sabbath day, the increased responsibility resting upon the acting officials, and the additional labor involved, owing to the large number of visitors, in fact more exacting duties all round, are among the reasons for a change on the part of the cemetery. Thoughtless strangers intruding upon the privacy of the funeral, the damage and destruction on adjoining lots; in a word the impracticability of restraining the curious many from outraging the exclusiveness of the bereaved few at the Sunday funeral, has been leading to a sentiment in general against carrying out funeral ceremonies on that day. The benefits which this altered condition will confer on the cemeteries, should be considered in revised rules and regulations governing them, so as to afford all possible relief in such cases, which will be many, where serious inconvenience and expense may be imposed upon patrons by this radical but beneficial change in funeral customs.

Unfilled vases are unsightly on cemetery lots during the summer season, and doubly so at other seasons when turned bottom up to prevent damage from freezing. Proper storage can be obtained for them during the winter months by applying to the Superintendent or Sexton of the grounds.

EMBELLISHMENT OF THE CEMETERIES.

As man becomes more civilized and enlightened it is his wish and aim to rob the last sad rites of death of its terrors; to embellish and beautify the sleeping place of those who have passed into their rest, and minimize the

agonies of anguished hearts, too often torn afresh by the sound of the cold clod of earth as it falls into the open grave at the moment of parting. It is such thoughts as these that have inspired the cemetery officials to annually prepare many beautiful beds of flowers, to plant choice varieties of shrubbery, and trees, that the cemeteries may be a place in harmony with the heart's offering of love for our departed ones. Nor have they failed to provide other means; new receiving tombs have been built in the park sections of the cemeteries, a beautiful green lawn is spread out before them, ornamented with nature's choicest offerings of trees, shrubs, and flowers. Amid such surroundings is left the cherished clay, but not alone, for it rests serenely with its God, as manifested in the silent, though eloquent creations of His hand.

When the springtime comes, the blades of grass lift up their heads, the waiting buds burst from their coverings, and the flowers bend and nod under the spell of warmth-laden winds, kissing again and again the graves we call our own. Into the communion with the purest and holiest thoughts we are irresistibly led, and it is then we realize,

"It is not all of life to live,
Nor all of death to die."

The Board respectfully calls the attention of the public to the central office in Merchants Bank Building, Room 304. Mr. Pardon A. Macomber, clerk of the Board, is prepared to supply such information that may be desired, and furnish necessary papers for the proper representation of ownership of lots. All complaints, orders, and instructions will receive prompt and courteous attention by the Superintendent and Sexton, who report daily at the office. The plat books, charts, and records are open for public inspection and information. The

Board desires that all having occasion to transact business of any nature, relative to cemeteries, will avail themselves of the conveniences and information herein supplied.

In presenting this report, the Board desires to express its appreciation of personal co-operation of many individuals, of the vast amount of work accomplished by the City Engineer and his associates, of the legal problems readily solved by the City Solicitor, and the special effort of the aldermanic committee on burial grounds in conveying to the city government the needs of the cemeteries, and to the general public for a proper observance of its rules when visiting the grounds.

Respectfully submitted,

JAMES DELANO, Chairman,
JOHN G. NICHOLSON,
CHARLES H. VINAL, Secretary.

CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,

Jan. 12, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

1 mo., 12, 1899.

Concurred.

WM. A. MACKIE,

Clerk.

1899—CITY DOCUMENT No. 16.

ANNUAL REPORT

OF THE

INSPECTOR

OF

Milk, Provisions and Animals,

FOR THE

YEAR ENDING DEC. 31, 1898.

NEW BEDFORD:

E ANTHONY & SONS, Incorp., CITY PRINTERS.
1899.

REPORT.

NEW BEDFORD, MASS., Dec. 31st, 1898.

*To His Honor the Mayor and the Board of Aldermen
of the City of New Bedford.*

GENTLEMEN :—The report of this office is herewith respectfully submitted.

The main questions occupying the attention of this office are the procuring for the citizens of New Bedford, pure, unadulterated, wholesome, standard quality milk and provisions, and it is very gratifying for the Inspector to be able to truthfully announce to the citizens that New Bedford's milk supply is second to none in the State for standard quality.

The Inspector's office, at the corner of Acushnet avenue and Elm street, is opened during business hours every day, and is visited by the public in all matters relating to the questions of milk, provisions and animals, such as bringing samples of milk and provisions for inspection and investigation and making inquiries and complaints on various matters.

All such complaints have been cheerfully and thoroughly investigated to the perfect satisfaction of all parties interested.

No person need be in doubt about the purity of their milk supply, or the quality of meat, poultry, fish or provisions of any sort, when a visit to this office, provided by law for the use of the public, will give all needed information and assistance, cheerfully and with great pleasure.

I have inspected over 700 samples of milk, and, with but two exceptions, found them all up to or above the standard; the two samples above mentioned were adulterated by the addition of water. I immediately warned the parties, and have had no trouble from them since.

It is my duty to make a very thorough examination of all cattle, swine and sheep owned within the city limits, and also of all barns and sheds where cattle are kept, especially in regard to the water supply and hygienic surroundings, such as light, drainage and ventilation of the places.

I have caused to be killed during the year, four tuberculous cows and eleven glandered horses, proving my diagnosis by post mortem examination. When we consider that both of the above fatal diseases are conveyed to the human family by infection and contagion, I think the public will say quite a little good has been done.

I have also quarantined all sick and debilitated animals coming under my notice during the year.

I inspect the slaughter of all animals killed for food purposes within the city limits, and condemn all that are diseased.

I have issued 384 licenses, at fifty cents each, for the sale of milk, which is paid into the city treasury.

My duty is also to seize, quarantine, condemn and kill all animals suffering with contagious or infectious diseases after a thorough and careful examination and test, and it will be my great pleasure to strictly and impartially perform this duty to the best of my ability and the full extent of my authority, thus giving to the inhabitants of New Bedford as little danger as is possible of contracting (from meat, milk or contagion) these dreaded and fatal diseases.

Respectfully submitted,

DR. D. C. ASHLEY,

Inspector of Milk, Provisions and Animals.

IN BOARD OF ALDERMEN,

Jan. 12, 1899.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD, City Clerk.

IN COMMON COUNCIL,

1 mo., 12, 1899.

Concurred.

WM. A. MACKIE,

Clerk.

LIST OF JURORS.

CITY OF NEW BEDFORD.

CLERK'S OFFICE,

March 10, 1899.

This certifies the following to be a correct list of persons prepared as provided by law to serve as Jurors for the year 1899.

Attest :

DANIEL B. LEONARD,

City Clerk.

LIST OF JURORS.

A

Adams Charles H. 597 County, no occupation
Adams Stephen F. 118 Mill, dry goods
Adshead Frank, 82 School, machinist
Ainsworth Joshua, 179 Austin, laborer
Akin James, 24 North, mechanic
Allen Abraham A. 2d, 223 Shawmut av, farmer
Allen Andrew H. 382 Kempton, mason
Allen Charles N. 66 School, sparmaker
Allen Daniel E. 76 Shawmut av, butcher
Allen James H. machinist, 103 Chestnut
Allen Luke, 473 Kempton, Carpenter
Allen Peleg H. S. W. 190 Summer, machinist
Almy Henry B. 96 Willis, upholsterer
Ames Yorick W. 325 Middle, janitor
Andress Benjamin A. 408 Kempton, clerk
Anthony Benjamin, 98 Madison, publisher Standard
Anthony Benjamin H. Ash, s. of Hawthorn, clerk
Anthony Elisha D. 7 Maple, Broker
Anthony George W. Emerson, Druggist
Arey Allen C. 159 Washington, gas fitter
Armitage James H. 428 Pleasant, clerk
Arnott George, 12 Margin, spinner
Ashley A. Davis, 947 Acushnet av, pat. med. dealer
Ashley Henry T. w. s. Acushnet av, farmer
Ashley Joshua B. Jr. 33 North, marketman
Ashley Roland R. 109 Cove, real estate dealer
Atwood Herbert M. 49 Smith, carpenter
Atwood William W. 244 Pleasant, shoemaker
Averill Lewis C. 60 Durfee, retired

B

Bachelder Ward C. 200 Grinnell, machinist
Bailey George P. 364 Kempton, druggist
Baker Ansel G. 183 Fourth, machinist
Baker Benjamin, 45 Chestnut, bookkeeper
Baker Michael A. 82 Chestnut, master mariner
Bancroft Julius V. 194 Pleasant, street sprinkler
Bannister John W. 194 Pleasant, merchant
Bannon John H. 1 Hyacinth, plumber
Bannon William F. 1 Hyacinth, clerk
Barrows Eugene M. 662 County, paint manufacturer
Barry Richard, Jr. 285 Cedar, clerk
Bartlett Clarence H. 450 County, clerk
Bassett Andrew H. w. s. Tobey road, butcher
Bassett Charles H. w. s. Tobey road, butcher
Bassett Ellery R. 166 Mill, electrician
Bassett William A. 15 Chestnut, fish dealer
Bates Edwin A. 154 North, real estate
Bates James W. 281 Cottage, grocer
Bates Lot B. 425 Acushnet av, grocer
Bates Orrin, 62 Hillman, confectioner
Baylies Charles S. 122 Bedford, clerk
Bearse Clarence A. 7 Franklin, carpenter
Beetle John H. East French av, lumber surveyor
Bell Joseph H. 109 Fifth, mechanic
Bennett Samuel R. 79 Chestnut, merchant
Bennett William H. 5 Richmond, grocer
Bentley George B. 24 Mosher, top roll coverer
Bentley Loren T. 40 Bowditch, second hand
Bentley Samuel E. 69 County, retired
Bessey James A. 110 No. Ash, printer
Bisbee Frank M. 42 Fifth, agent
Blake George A. 183 Kempton, clerk
Bly Leslie A. 37 Madison, machinist

LIST OF JURORS.

5

Bly William L. 304 County, clothing
 Boomer Edwin A. 121 State, millinery
 Booth Edward H. 35 Durfee, car inspector
 Booth Francis A. 35 Fifth, accountant
 Booth Zachariah E. 320 County, bookkeeper
 Borden Charles F. 275 County, pattern maker
 Borden George B. Rockdale av, farmer, Ward 1
 Borden Harrison T. 10 Fair, wood and coal
 Borden Prince S. 220 Kempton, master mariner
 Borden Thomas J. 5 Stone, machinist
 Bosworth Peleg, 195 Shawmut av, farmer
 Bouchard John, 31 Richmond, barber
 Bourne Henry D. 49 Sycamore, carpenter
 Bowen George H. 63 No. Second, moulder
 Bowman George L. 19 Shawmut av, nurse
 Bowman Henry T. 263 Purchase, carpenter
 Bradley William E. 300 County, foreman liv. stable
 Braley Jasper W. Jr. 619 County, grocer
 Brawley Edward L. 68 Walden, clerk
 Briggs Allen G. w. s. Tobey road, blacksmith
 Briggs Charles F. 311 County, teamster
 Briggs George E. 1 Fair, builder
 Briggs Philip S. 173 Acushnet av, bicycle dealer
 Brightman Edward T. 42 Campbell, provision dealer
 Brightman George F. Acushnet av, master mariner
 Brightman Harry C. Rockdale av, clerk, ward 1
 Brightman Harry S. 101 Allen, polisher
 Brightman Leander, 29 Madison, merchant
 Brightman Lewis M. 76 Bedford, boiler maker
 Brightman L. Merton, 29 Madison, clerk
 Broadmeadow George, 101 Durfee, machinist
 Brock George P. 106 Arnold, collector
 Bromley David, 951 So. Water, grocer
 Brooks John B. 54 Chestnut, engineer
 Brown Charles H. 25 Willow, clerk

Brown James, 197 Coffin av, farmer
Brown James H. 212 North, machinist
Brown Oliver F. 139 Cottage, retired
Brown William L. G. 114 Sycamore, florist
Brownell Myron W. 75 Hillman, paint manufacturer
Brownell Charles H. Kempton & Florence, mark'mn
Brownell Charles T. 153 Mt. Pleasant, farmer
Brownell Elmer W. w. s. Florence, grocer
Brownell Elnathan C. 354 County, marketman
Brownell Gilbert K. Reed, shoe dealer
Brownell Herbert J. 109 Campbell, clerk
Brownson George L. 1043 Acushnet av, conductor
Buchell Charles N. 5 Foster, shoe dealer
Bunker Elihu, 403 Purchase, druggist
Burbank John T. 68 Parker, bookkeeper
Burgess Charles T. 74 Willis, shoecutter
Burgess George W. 43 Wing, machinist
Burns Robert O. 97 Park, clerk
Bush Andrew M. 383 Purchase, tailor
Butler Harry W. 51 Locust, reporter

C

Caldwell Albert F. 101 No. Ash, carpenter
Cannon Albert, 34 Willis, clerk
Carney John F. 805 So. Water, clerk
Carpenter Albert H. W. 139 Hillman, secretary
Carroll William E. 580 Kempton, carriage maker
Carter Edward H. 275 Pope, carpenter
Carter John W. 71 Cedar, porter
Case Isaac R. 625 County, clerk
Cavanaugh Jeremiah L. 72 So. Second, blacksmith
Chadwick Edward E. 140 Summer, meat & provis'ns
Chadwick Joseph W. Oak, foreman Twist Drill
Champion John T. Court cor Liberty, tailor

LIST OF JURORS.

7

Channing William R. 366 Union, dentist
 Chase Charles F. Howard av, carpenter
 Chase Ira M. 37 Fifth, bookkeeper
 Chase Joseph H. 319 Park, ship carpenter
 Chase Walter F. 17 Fifth, ship carpenter
 Chase Warren E. 90 Bedford, retired
 Chase William F. 318 Mt. Pleasant, farmer
 Chase William R. 345 Cottage, insurance agent
 Chausse Joseph, 126 Mt. Pleasant, grocer
 Clark Charles F. 119 Kempton, pattern maker
 Clark John J. 2 Clay, frame maker
 Churchill Benjamin J. 428 Kempton, gas fitter
 Cleveland George H. V. D. 69 Forest, baker
 Clifton Jireh W. 342 Purchase, plumber
 Clynes Thomas J. 5 Wall, clerk
 Cobb George A. Bridge road, tinman
 Coddling Seth E. 8 Spruce, bottler
 Coe Isaac H. Jr. 124 Washington, carpenter
 Coit Manuel, 3 Warwick, clerk
 Cole George F. 112 Fourth, carriage dealer
 Cole Theodore W. 74 Hillman, marble worker
 Cole William, Jr. 66 South Sixth, treas. Co-op Ass'n
 Collins George A. 178 Fourth, overseer
 Cook Charles E. 1042 Acushnet av, real est. agent
 Cook Frederick B. 18 Pleasant, janitor
 Cook Samuel H. 97 Madison, insurance agent
 Cook Thomas W. 396 Union, cotton broker
 Cooke Robert 266 Fourth, baker
 Cooper William E. 551 Kempton, grocer
 Corey David A. 17 Ashland, machinist
 Cornell Charles C. e. side Jenney Lind, marketman
 Cornell John W. 151 Middle, broker
 Corson Henry T. 643 County, druggist
 Cory Andrew T. Rockdale av, farmer
 Cory George A. 138 State, carpenter

Coxen Charles H. 109 Durfee, grocer
Craig William H. 170 Chancery, carpenter
Cranston William W. 143 Washington, upholsterer
Crapo George G. 168 Shawmut av, teamster
Croacher Thomas W. 121 Fifth, sash and blind maker
Cross William O. 61 Summer, carpenter
Crowley Timothy, 111 Cedar, machinist
Cummings Benjamin, 99 School, grocer
Cummings Benjamin T. 271 County, clerk
Cunningham Patrick, 131 So. Second, machinist
Curtis Leonard O. 109 Newton, music teacher
Cushing Charles F. 426 Union, merchant

D

Dagasse Anatole, 66 Robeson, druggist
Damon Louzon A. 126 Fourth, machinist
Dantsizen Frank M. 22 Madison, cabinet maker
Dantsizen John G. 25 Cedar, upholsterer
Darling Frank M. 490 Acushnet av, clerk
Darling William, e. s. Tobey road, farmer
Davis Charles E. 17 Chestnut, machinist
Davis Edward G. 195 Shawmut av, florist
Davis Henry V., Jr. Ocean cor. Arnold, foreman
Davis Herbert E. 135 Locust, motorneer
Davis John E. w. s. Rockdale av, florist
Dawe Fred C. 159 Durfee, machinist
Dean A. Herbert, 217 Middle, clerk
Dean Charles F. 59 Elm, painter
Dehn George R. 5 Linden, baker
Delano George H. r 35 Smith, conductor
Dennis Ephraim K. 193 Middle, contractor
Desmond William F. 37 No. Sixth, civil engineer
DeWolf Alfred W. 56 Hill, hardware dealer
Dexter Howard N. 56 Campbell, shoemaker
Dias Charles H. 169 Union, clerk

LIST OF JURORS.

9

Diman Henry B. 123 Rockland, merchant
 Dinnigan Daniel G. 178 Fourth, publisher
 Dollard John H. 42 Ash, marble worker
 Donaghy Thomas Jr. 103 Acushnet av, clerk
 Douglass Charles Z. Pierce, steward
 Douglass Frank M. 18 Cedar, druggist
 Drake Albert B. 91 School, civil engineer
 Drake Charles E. 160 William, civil engineer
 Driscoll Daniel F. 37 Linden, grocer
 Dugan Edward P. 130 So. Second, grocer
 Dwight James E. 137 Fourth, grocer

E

Easton Charles F. Jr. 555 Kempton, barber
 Eaton Josiah Jr. 65 Cottage, music teacher
 Eddy George M. 8 Maple, retired
 Eggers George A. 72 So. Chancery, gunsmith
 Ellison Henry W. 56 So. Emerson, clerk
 Emery John C. 57 Bedford, Twist Drill
 Ennis Charles T. 114 Fourth, clerk
 Ennis John H. 17 Maitland, painter
 Estes Andrew L. 115 Campbell, carpenter

F

Fairchild Thomas H. 170 Fourth, druggist
 Farnham George W. 54 Hillman, boatbuilder
 Faunce Charles L. 13 Pope, carpenter
 Ferguson James, 49 State, shoemaker
 Fisher Sidney S. 442 Pleasant, motorman
 Foley William F. 34 Bowditch, weaver
 Folger Charles E. 61 Hillman, bookkeeper
 Folger Charles F. 61 Hillman, retired
 Folger David B. 44 North, grocer
 Footman John W. 72 State, blacksmith
 Ford N. Ernest, 67 Willis, furniture dealer

Freeman George H. 23 Seventh, ink manufacturer
Fuller Frederick S. 92 Hillman, bookkeeper
Fury Bartholomew P. 501 Purchase, salesman

G

Gabriel Samuel E. Willis street court, driver
Gammons Edgar H. 22 Grand, teamster
Gardiner Ezekiel C. 14 Crapo, stable keeper
Gardner Oliver H. 48 North, carpenter
Gibbs John L. 2d, 72 State, supervisor of buildings
Gibson Samuel S. west side Tobey road, mason
Gifford Jireh B. Howard and Belleville avs, farmer
Gifford Richmond A. 101 Cedar, clerk
Gifford Thomas J. 15 Ashland, plumber
Gifford Timothy M. 44 State, clerk
Gildea Frank, 70 Howard, periodical dealer
Goff Charles H. 11 Emerson, carpenter
Goff George H. e. s. Florence, carpenter
Gooding Robert A. 177 Cedar, carpenter
Gorham Robert S. 79 Morgan, clerk
Greene Matthew L. 191 No. Second, machinist
Greene Nathaniel H. 204 County, foreman P. Works
Greer George, 342 Middle, retired
Grundy James, 230 So. Second, glassmaker
Gurney Frank J. e. s. Tobey road, shoemaker

H

Habicht Frank A. 24 Elm, printer
Hafford Stephen, Jr. 73 State, shoecutter
Hammond Edgar B. 66 North, architect
Hammond Francis W. 70 North, carpenter
Hammond John N. Tobey road, w. side, carpenter
Harding James G. 62 State, pump and plumber
Harlow Michael F. 865 County, loom fixer
Harrington John C. 68 Linden, billiard room

Harrison Samuel, 108 Division, grocer
Haskell Edward S. 21 Fifth, florist
Haskins Elmore P. 95 Chestnut, carpenter
Haskins Herbert K. 87 Chestnut, carpenter
Hatch Joshua J. 500 Cottage, carpenter
Hathaway Andrew B. Hathaway road, florist
Hathaway Benjamin F. Jr. 506 Purchase, clerk
Hathaway Charles R. 18 Campbell, laundryman
Hathaway Henry W. Hathaway road, farmer
Hathaway James H. Tarkiln Hill road, butcher
Hathaway James L. 72 Willis, bookkeeper
Hathaway Jethro H. 498 Cottage, carpenter
Hathaway John W. Hathaway road, farmer
Hathaway Paul S. Hathaway road, farmer
Hathaway William E. 411 Cedar, hay and grain dealer
Hawes Frederick B. No. Acushnet ave, bookkeeper
Hayden Abram L. 181 Smith, janitor
Healey Edward H. 235 Park St. Grocer
Healey Thomas F. n. s. Belleville rd, real est. agent
Herlihy Patrick, 928 Acushnet av, stone cutter
Hervey E. Williams, 191 Hawthorn, retired
Higgins Edward O. 356 Reed, plumber
Hillman Benjamin, 101 Maxfield, painter
Hillman Frederick G. 1036 Acushnet av, clerk
Hillman George W. 1036 Acushnet av, mill supplies
Hindle William, 322 Pleasant, grocer
Higham Hiram, Jr. 110 Merrimac, overseer
Hitch Hardy, Jr. 20 Fifth, upholsterer
Hitch Otis L. 35 Emerson, upholsterer
Holden Charles H. 327 Cedar, manager
Holloway Arod B. 24 Homer, mason
Homer Frederick A. 4 Arch, merchant
Homer, George S. 4 Arch, merchant
Howe George A. 53 Dartmouth, solderer
Howland Daniel W. 305 W. Maxfield, tailor

Howland Ezra, 284 Union, farmer
Howland George F. 297 County, no occupation
Howland Henry, 280 Pleasant, stove dealer
Howland Jonathan, Jr. 54 Russell, retired
Howland Paul, Jr. 91 State, engraver
Hoxie Frank C. 155 Washington, pattern maker
Hubbard Herbert F. 236 Pleasant, foreman
Humphrey Daniel F. Ashland, conductor elec. road
Humphrey James L. Jr. 89 State St. butter dealer
Hunt Leander W. 4 Foster, merchant tailor
Hunt Samuel C. 147 Maxfield, architect

J

Jackson George, s. s. Perry, mason
Jackson Thomas W. 591 W. Maxfield, barber
James Clarence H. 181 Fourth, accountant
Janell Henry F. 596 Purchase, stonecutter
Jenney Benjamin F. 43 Arch, no occupation
Jenney Charles C. 1 Bay, machinist
Jenney Harry C. Smith and Walden, superintendent
Jenney Henry P. w. s. Acushnet av, real estate agent
Jenney Perry P. 151 Kempton, machinist
Jenney William B. 174 Grinnell, mason
Jenney William T. 170 Grinnell, accountant
Jennings Frank M. Jennings court, machinist
Jennison Charles J. 17 Franklin, pattern maker
Jones Frank M. 119 Parker, foreman

K

Kane James T. 80 Fifth, contractor
Keen Charles F. 79 Locust, carpenter
Keen Leonard, Jr. 41 Parker, carpenter
Kelleher Daniel, 300 Purchase, bomb lance manf'r
Kelleher Daniel J. 188 Purchase, printer
Kelley William E. 158 Grinnell, bookkeeper

Kelley William L. 478 County, jeweler
Kennedy Joseph P. 2 Green, paper dealer
Kenyon Henry W. 910 Acushnet av, no occupation
Kern William E. 76 Forest, painter
Kilburn Frank J. 264 County, machinist
King Burgess T. w. s. Elm n. Reed, carriage maker
King Philip R. 95 Willis, carriage maker
King William H. 305 Middle, laborer
Kingman Gilbert D. 159 Cottage, clerk
Kirby Charles L. 421 Union, salesman
Kirby George, Jr. 672 County, paint manufacturer
Kirk John F. 143 State, grain business
Knowles John P. Jr. 485 County, retired
Knowles Thomas P. 637 Purchase, plumber
Knowles Walter I. 87 So. Sixth, shoe dealer
Knox William J. 135 Cedar, clerk

L

Lagasse Adolph P. 128 Rivet, undertaker
Lamb William G. 406 Union, carpenter
Lanagan Daniel P. 12 Walnut, junk dealer
Lapham Leonard C. 183 Pleasant, clerk
Lawrence Charles E. 115 Fourth, painter
Lawrence Cyrus T. w. s. Tobey road, retired
Lawrence James W. 630 County, furniture dealer
Leach Harry J. 163 Maxfield, carpenter
Leach William H. H. 75 Sycamore, trav. salesman
Leary Dennis Jr. 278 Austin, blacksmith
Lees Albert, 168 Middle, motor inspector
Lees Sidney, 244 Rivet, overseer
Lewin Charles, 247 Cedar Grove, loom fixer
Lewis Edgar R. 718 County, clerk
Lewis William J. 717 County, cotton broker
Lincoln Arthur F. 286 Pleasant, conductor
Linton Frank I. 107 Maxfield, carriage maker

Look John W. 31 Sycamore, carpenter
Lord Joseph, 15 Franklin, grocer
Louis Thomas W. 820 Kempton, barber
Lovejoy Thomas J. 627 Purchase, burnisher
Lucas Everett A. n. s. Hathaway av, carpenter
Luce Arthur G. 346 Cottage, mang'r Mercury Pub. Co.
Luce Thomas E. 201 Cedar, grocer
Luscomb Simeon P. 184 Summer, cooper
Lyons Thomas H. 63 Robeson, driver

M

Macomber George P. 774 County, copper works
Macomber Pardon A. 201 Kempton, agent
Macomber William B. 74 State, retired
Macy Arthur W. 161 Grinnell, jeweler
Maine Henry M. 36 North, carpet cleaner
Manchester Ellery L. 227 Chancery, rigger
Manseau John D. 30 Durfee, clerk
Marden John W. 297 Acushnet av, artotype printer
Martin Edward H. 32 North, reporter
Marts Andrew M. 295 Palmer, engineer
Mason John L. G. 53 North, mason
Maxfield Frederick T. 191 Kempton
McAfee John K. 63 Fifth, fruit dealer
McAuliffe Dennis J. 276 Coggeshall, janitor
McCann James L. 16 High, stonecutter
McCullough John, Jr. 55 Maxfield, merchant
McDonald Hugh J. 195 So. Second, carriagesmith
McSweeney Myles, 83 Rivet, teamster
Meaney John J. 6 W. French av, carpenter
Meaney Thomas J. 6 W. French av, real est. agent
Merritt George H. Plainville road, farmer
Milliken George H. 26 Seventh, dry goods
Milliken George H. Jr. 21 Sycamore, clerk
Milliken Lewis E. 73 Hillman, grocer

Mills William J. 809 County, no occupation
Mitchell Robert, 382 County, gardener
Monroe Frederick S. 474 Kempton, stenographer
Moon John, 132 County, second-hand furniture
Morse Ansel C. 2 Bay, machinist
Morse Leonard H. Sr. 469 Acushnet av, teamster
Morse Willard H. 271 Pleasant, dry goods
Mosher Charles A. 202 Rockland, carpenter
Mosher Charles H. Rockdale av, ice dealer
Mosher Frank T. 216 Rockland, carpenter
Mosher Frederick W. 219 Fourth, carriage maker
Mottram George S. 514 So. Second, store keeper
Moulton Augustus G. 56 Hill, bookkeeper
Mullaney Michael, 69 South, overseer
Murphy Dennis E. 137 County, spinner
Murphy Edward M. 834 County, clerk
Murphy Timothy J. 180 So. Second, glassblower
Myrick Walter R. 13 Eighth, clerk

N

Neal George A. 61 Morgan, clerk
Nichols George M. River road, butcher
Nichols Leander P. 49 North, shoe dealer
Nickerson Harry W. 26 Madison, printer
Nofftz Richard, 969 Kempton, florist
Norcross John C. 345 Reed, mason
Nye Frederick L. 324 Park, clerk
Nye George E. 359 County, machinist
Nye Obed C. 276 Union, merchant
Nye Pemberton H. 709 County, merchant

O

O'Brien John N. 567 Cottage, wood and coal
Oesting F. William, 51 Fifth, trader
Offley John R. 289 Hillman, barber

Oliver George L. 2 Morgan terrace, express manager
Oliver John B. 297 Cottage, blacksmith
Oman Charles A. 14 Allen, overseer
Omerod James, 1039 County, shoemaker
O'Rourke William H. 44 Independent, insurance
Owen Alfred, 86 Fruit, grocer

P

Paige James H. Mill road, grocer
Paine George W. 137 Summer, lime, brick, etc.
Paine Olin S. 87 State, clerk
Parker Frederick, 289 Acushnet av, dealer in powder
Parker James N. 91 School, salesman
Parsons Thomas L. 131 Elm, broker
Patnaude Joseph C. 7 Linden, salesman
Paul John W. 29 Parker, insurance agent
Pease William W. 234 Shawmut av, machinist
Peckham Frank H. 157 So. Second, teamster
Peckham Israel H. w. s. Tobey road, blacksmith
Peirce David B. 161 Maxfield, painter
Peirce Harry M. 71 Willis, bookkeeper
Pell Walter D. 428 Kempton, janitor
Penney B. Frank, 2 Spruce, printer
Penney Edward F. 266 County, plumber
Perkins John A. 159 Hillman, roofer
Perry Samuel H. 111 Hillman, hat dealer
Phinney Nathan D. 221 Pleasant, gents' furnishings
Phinney Otis B. 84 Elm, clerk
Pierce Erskine H. 50 Fifth, mill supplies
Pierce Lloyd D. 72 Hillman, accountant
Plummer Charles W. 163 Hawthorne, merchant
Plummer Walter E. 29 Willis, clerk
Pool Arthur T. Plainville road, teamster
Pool Willard G. 232 Shawmut av, carpenter
Pope Frank L. 81 School, passepartout maker

Potter Charles W. H. 209 Summer, carpenter
Potter Edwin L. 60 Dartmouth, grocer
Potter Frederick S. 143 Hawthorne, broker
Potter Stephen R. 479 County, clerk
Priaulx Peter, 177 Arnold, gardener
Price Charles R. Arnold Place, treas. N. B. Gas & Edison Electric Light Co.
Proulx Joseph, 26 Reynolds, druggist

R

Randall Charles G. 76 So. Sixth, lumber dealer
Raymond Calvin, Jr. 104 Smith, expressman
Raymond Charles, 85 Sycamore, milk dealer
Raymond Josiah K. 83 Sycamore retired
Reed Edmund A. 103 Sycamore, driver
Reed Leander, 3 Bay, machinist
Remington Emerald A. 19 Ashland, painter
Remington John G. 73 Linden, carpenter
Rexford George P. 68 School, machinist
Reynolds Alonzo F. 243 Chestnut, car inspector
Reynolds Edward G. 210 Pleasant, livery stable
Reynolds William D. 178 North, salesman
Rice Adoniram J. 174 Washington, baker
Richards George D. 107 Elm, house furnishings
Richards William D. 61 Fifth, stable keeper
Richardson John T. 93 Fourth, medicines
Ricketson Levi, 109 Potomska, yachtsman
Ricketson Orion, 164 State, plumber
Riley John S. 162 Chancery, rope maker
Riley Peter J. 109 Austin, boots and shoes
Robbins William S. 626 County, carpenter
Robinson Anthony, 239 Fourth, cigar manufacturer
Robinson William, 400 Pleasant, packer
Robinson William A. 84 Hawthorne, merchant
Roseberry Joseph W. r. 28 Ac. av, loom fixer

Roy Arthur, 159 Coggeshall, teamer
Ruggles John A. Jr. 145 Summer, salesman
Russell James A. 37 Parker, grocer
Russell John A. w. side Tobey road, farmer
Russell Pardon, Jr. n. s. Hathaway road, ice dealer
Ryan Edward T. 958 County, druggist

S

Sadler George H. 115 Grinnell, carriage trimmer
Sanders Henry V. 208 Pleasant, real estate agent
Sanford Isaac T. 168 Fourth, foreman
Savage John, 688 Purchase, confectionery
Sawtelle Frank C. 315 Pleasant, crockery dealer
Saxon George E. 628 Purchase, retired
Sayer William L. 88 Willis, editor
Scammons Joseph H. 293 Austin, gardener
Schuler Jacques, 33 Sycamore, shoe dealer
Schwall James B. 25 Bonney, druggist
Searell Charles T. 59 Kempton, carpenter
Searles Mortimer, 190 Acushnet av, rubber stamps
Serpa Charles A. 48 So. Sixth, clerk
Shaw Charles F. 395 Purchase, assessor
Shaw Elmer H. 71 Fourth, variety store
Sherman James H. 192 Middle, plumber
Sherman James L. 43 Mill, lumber dealer
Sherman John D. 24 Vine, collector
Shurtleff Israel H. 252 County, druggist
Sisson Joseph S. 57 Cottage, retired
Slade Caleb, 950 Acushnet av, grocer
Slocum Francis R. 5 Maple, furniture dealer
Smith Abbott P. 8 Lincoln, real estate
Smith Alexander T. 89 Mill, clerk
Smith Emerson, 83 Linden
Smith George, 211 Fourth, mill overseer
Smith George T. 22 Cedar, gas fitter

Smith Henry W. 27 Seventh, photographer
Smith Hoyland, 229 Acushnet av, bicycle dealer
Smith James, 91 County, spinner
Smith John, 276 Coggeshall, weaver
Smith Nathaniel C. 597 County, architect
Smith Shubael D. Jr. 81 Mill, clerk
Smith William E. 9 Arch, dye house
Snow Henry K. 83 Sycamore, bookkeeper
Snow Loum, Page St. merchant
Sowle Frederick L. 26 Sycamore, hardware
Spooner Albert F. e. s. Tobey road, carpenter
Spooner Arthur C. 28 Spring, clerk
Spooner John A. 2d, e. s. Tobey road, carpenter
Spooner Roswell, e. s. Tobey road, farmer
Spooner William E. 18 Bedford, Nut & Lock Co.
Stanley Ned A. 80 State, dentist
Stedman Lewis W. 104 Fifth, insurance agent
Stetson George R. 67 Bedford, Pres. Gas Co.
Stevens Henry A. Rockdale av, painter
Stirritt John H. 104 No. Ash, tinsmith
Stone Francis H. 35 Arnold, master mariner
Stowell Alexander T. e. s. Rockdale av, shoemaker
Studley Alfred G. 5 Foster, bookkeeper
Swift Anderson H. 74 South, carriage trimmer
Swift Edward B. 38 Willis, florist
Swift Ezra J. 18 Campbell, yeast dealer
Swift George B. 83 Mill, clothing dealer
Swift John F. 369 Purchase, accountant
Swift Thatcher S. 118 So. Sixth, livery stable
Sylvia Anthony L. 89 So. Sixth, merchant
Sylvia Frank B. 39 Howland, glass worker

T

Taber Arthur K. 141 Summer, clerk
Taber Edward C. e. s. Acushnet av, grocer

Taber Robert W. 48 Fifth, bookseller
Taylor George A. 189 1-2 Grinnell, laborer
Taylor John W. 195 Acushnet av, machinist
Taylor William H. 128 Fourth, machinist
Thompson James O. 80 Willis, express messenger
Thompson Thomas, 136 No. Second, marble worker
Thomson Pardon G. 10 So. Sixth, merchant
Thorley Francis, 515 Rivet, carpenter
Thornton John H. 50 Durfee, Switchman
Tilden Andrew, 61 Cottage, confectioner
Tilden Horace, 65 Fifth, confectioner
Tillinghast Theodore F. 37 Eighth, retired
Tilton Charles C. 396 Purchase, bookkeeper
Tinkham Otis, 362 Cedar, shoemaker
Tobey Warren P. 39 Locust, publisher
Toomey Dennis H. 12 Linden, clerk
Tourtellot William E. 65 Walden, printer
Tripp Alonzo B. 168 Middle, carriage maker
Tripp Andrew W. Ashland, shoemaker
Tripp Augustus C. Ashland cor. Linden, grocer
Tripp Christopher B. 12 Sherman, blacksmith
Tripp Edwin I. 99 Florence, butcher
Tripp Eliphalet A. 97 Willis, agent
Tripp Frank G. 82 State, laundry
Tripp James H. 10 Allen, retired
Tripp Thomas B. 37 Allen, real estate agent
Truman George H. 8 Ashland place, loomfixer
Tucker William A. 27 Seventh, no occupation
Tuell Frank P. P. 302 County, market
Turner Elbridge A. Hathaway road, shoemaker

U

Underwood Arthur P. 48 Mill, clerk

V

Vaughan Harry C. 61 Borden, britannia worker
Viall Walter G. 640 County, grocer
Vinal Charles H. 56 Foster, accountant

W

Wade Joseph B. 83 Willis, merchant
Waite Charles H. 15 Campbell, real estate dealer
Waite Stephen E. 373 Purchase, piano tuner
Walker William H. 6 Sears, carpenter
Warren David, 255 State, livery stable
Warren Joseph C. 182 Cove, carpenter
Washburn Alanson R. 338 Cedar, grocer
Washburn Francis P. w. s. Tobey road, carpenter
Washburn George E. w. s. Tobey road, mechanic
Waterman William H. 9 Arch, retired
Watkins James B. 38 Russell, retired
Weaver Thomas H. 1125 Acushnet av, carpenter
Webb Hezekiah, 622 Maxfield, porter
Weld Abber E. 35 Dartmouth, britannia worker
Wentworth Frank W. 74 Walnut, merchant
Wentworth Hiram W. 74 Walnut, merchant
West William F. 102 Durfee, painter
Wheaton Ernest A. 324 Union, bottler
Whitehead William, 127 Coggeshall, shoemaker
Whiting Edward B. 140 Cottage, merchant
Whittaker Benjamin, 405 Pleasant, motorman
Whittaker Edwin, 140 State, agent
Whittaker Henry, 643 Purchase, section hand
Wiggins William H. 4 Emerson, coachman
Wilbur Harry D. 117 Willis, carpenter
Wilbur Noah H. e. s. Tobey road, lumber dealer
Wilcox Charles A. 274 Cedar, carpenter
Wilcox Frank S. 53 So. Sixth, broker

Wilde Albert, 441 Pleasant, newsdealer
Wilde Cyrus, 181 Shawmut av, mule spinner
Williams Manuel A. 137 County, clerk
Wilson Daniel W. 43 Foster, retired
Wilson William P. Shawmut av, merchant
Wing Charles F. 37 So. Sixth, merchant
Wing Charles H. 133 Chestnut, agent
Wing John, 24 So. Sixth, merchant
Winter Richmond C. 1 Fair, machinist
Wood Edwin B. 95 Washington, clerk
Wood Edmund, 6 Orchard, merchant
Wood George, 77 Fourth, plumber
Wood George R. 57 Fourth, lumber dealer
Wood James Augustus, 91 State, carriage maker
Wood William G. 100 Bedford, merchant
Wood William H. 408 County, merchant
Wrigley James, 280 Sawyer, overseer

Y

York George A. 70 Russell, insurance agent
York William, Rockdale av, clerk
Young James A. 63 No. Second, bookkeeper

CITY OF NEW BEDFORD.

ORDINANCES.

In the Year Eighteen Hundred and Ninety-Eight.

AN ORDINANCE

TO PROVIDE FOR THE PAYMENT OF INTEREST ON WHARF BONDS, TOGETHER WITH THE AMOUNT REQUIRED FOR SINKING FUNDS YEARLY, TO LIQUIDATE SAID BONDS AT MATURITY.

Be it Ordained by the City Council of the City of New Bedford as follows:

SECTION 1. Hereafter all receipts derived from rents, wharfage, dockage or otherwise, of the wharves owned by the City of New Bedford, shall be applied as follows:

First, to the payment of the interest due semi-annually on the City of New Bedford Wharf Bonds now outstanding, or that may be hereafter issued.

Second, to the Sinking Fund to be paid yearly toward the extinguishment of said Bonds at maturity, and that the balance be applied to the management and repairs of said wharves.

SECTION 2. This ordinance shall take effect upon its passage.

IN COMMON COUNCIL, 5 mo. 26, 1898.

Passed to be ordained.

STEPHEN A. BROWNELL, President.

IN BOARD OF ALDERMEN, May 26, 1898.

Passed to be ordained.

CHAS. S. ASHLEY, Mayor.

Approved May 26, 1898.

CHAS. S. ASHLEY, Mayor.

A true copy. Attest:

D. B. LEONARD, City Clerk.

In the Year Eighteen Hundred and Ninety-Eight.

AN ORDINANCE

AMENDING SECTION TWO (2) OF CHAPTER XII OF THE ORDINANCES OF THE CITY OF NEW BEDFORD.

Be it Ordained by the City Council of the City of New Bedford as follows:

SECTION 1. Section two of said Chapter XII is hereby amended by striking out the word "North" in the ninth line thereof and inserting in place thereof the word "Maxfield," so that the same shall read "Purchase street between Union and Maxfield streets." By striking out the word "Middle" in the tenth line thereof and inserting in place thereof the word "Mill" so that the same shall read "Pleasant street between Union and Mill streets," and by adding after the words "Halls Court and Mechanics Lane, between Purchase and Sixth streets" the following: High street from Purchase street to Pleasant street. Kempton street from Purchase street to Pleasant street. Middle street from Acushnet avenue to Pleasant street. Mill street from Purchase street to Pleasant street.

The first district shall include a distance of 100 feet on both sides of the streets included in said districts, or to at least one half the distance to the next street running parallel thereto.

SECTION 2. This ordinance shall take effect upon its passage.

IN COMMON COUNCIL, 6 mo. 9, 1898.

Passed to be ordained.

STEPHEN A. BROWNELL, President.

IN BOARD OF ALDERMEN, June 9, 1898.

Passed to be ordained.

CHAS. S. ASHLEY, Mayor.

Approved June 9, 1898.

CHAS. S. ASHLEY, Mayor.

In the Year One Thousand Eight Hundred and Ninety-Nine.

AN ORDINANCE

AMENDING CLAUSE 2 OF SECTION 36 OF CHAP. XXII OF THE
CITY ORDINANCES, ENTITLED "STREETS AND PUBLIC
PLACES."

*Be it Ordained by the City Council of the City of New
Bedford as follows:*

SECTION 1. Clause two of section thirty-six of Chapter XXII is hereby amended by striking out the words "and curbed" in the last line thereof, so that the same as amended shall read "Wherever the 'sidewalk' or 'footway' is mentioned herein, excepting in the sections relating to the removal of snow and ice, it shall be understood as meaning any footway or sidewalk which has been formed by the city authorities or by their direction."

SECTION 2. Ordinance shall take effect upon its passage.

IN COMMON COUNCIL, 2 mo. 9, 1899.
Passed to be ordained.

JOHN L. G. MASON, President.

IN BOARD OF ALDERMEN, Feb. 9, 1899.
Passed to be ordained.

CHAS. S. ASHLEY, Mayor.

Approved Feb. 10, 1899.

CHAS. S. ASHLEY, Mayor.

A true copy. Attest:

D. B. LEONARD, City Clerk.

In the Year One Thousand Eight Hundred and Ninety-Nine.

AN ORDINANCE

AMENDING SECTION 14 OF CHAPTER XXVIII OF ORDINANCES
OF CITY, ENTITLED "ACCOUNTS AND FINANCES."

*Be it Ordained by the City Council of the City of New
Bedford as follows:*

SECTION 1. Section fourteen (14) of said chapter is hereby amended by striking out the last word in first line and first two words in the second line ("from all sources;") also the last six words in the third line ("shall be regarded as unappropriated funds,") so that the same shall read as follows:

All receipts into the city treasury, except where otherwise provided by law or ordinance, shall be credited as follows:

To the Police Department: All fees of officers of the department, payable by them to the city, rent of court room of Third District Court of Bristol, fines and forfeitures, inuring to the city for any violation of the ordinances or provisions of law.

To the Fire Department: All moneys received for work done or services rendered for any individual, corporation, or any other department of the city; also for all sales of property of the department.

To the Board of Public Works: All moneys received for work done or services rendered to any individual, corporation, or other department of the city; also for all sales of property of the department.

To the Street Light Department: All moneys received for sales of property of the department.

To the Almshouse and Poor Department: All moneys received for work done and services rendered, materials furnished to any individual, corporation, or other department of the city.

To the New Bedford Water Works Department: All moneys received for sale of property, and as otherwise provided by ordinance.

All other receipts shall be regarded as unappropriated money.

SECTION 2. This ordinance shall take effect on its passage.

IN COMMON COUNCIL, 2 mo. 9, 1899.

Passed to be ordained.

JOHN L. G. MASON, President.

IN BOARD OF ALDERMEN, Feb. 9, 1899.

Passed to be ordained.

CHAS. S. ASHLEY, Mayor.

Approved Feb. 10, 1899.

CHAS. S. ASHLEY, Mayor.

A true copy. Attest:

D. B. LEONARD, City Clerk.

In the Year One Thousand Eight Hundred and Ninety-Nine.

AN ORDINANCE

AMENDING SECTION 2 OF CHAPTER XXI OF THE ORDINANCES,
ENTITLED "CITY PHYSICIAN."

*Be it Ordained by the City Council of the City of New
Bedford as follows:*

SECTION 1. Section 2 of Chapter XXI of the City Ordinances is hereby amended by striking out all of the first paragraph thereof, so that said section shall read, "In case of the prevalence or impending of any infectious or contagious disease within the city, he shall give to the Mayor or either branch of the City Council all such professional advice and counsel relating thereto as may be by them required, and shall perform all such professional services as may be reasonably required of him by the Mayor, Aldermen, City Council or Board of Health.

SECTION 2. This ordinance shall take effect upon its passage.

IN COMMON COUNCIL, 6 mo. 8, 1899.

Passed to be ordained.

JOHN L. G. MASON, President.

IN BOARD OF ALDERMEN, June 8, 1899.

Passed to be ordained.

CHAS. S. ASHLEY, Mayor.

Approved June 8, 1899.

CHAS. S. ASHLEY, Mayor.

A true copy. Attest:

DANIEL B. LEONARD, City Clerk.

In the Year One Thousand Eight Hundred and Ninety-Nine.

AN ORDINANCE

AMENDING CHAPTER XXI OF THE CITY ORDINANCES RELATING TO CITY PHYSICIAN.

Be it Ordained by the City Council of the City of New Bedford as follows :

SECTION 1. Chapter twenty-one of the City Ordinances is hereby amended by inserting therein a new section to be numbered section four and to read as follows :

"SECTION 4. The City Physician shall receive as full compensation, salary, and remuneration for all services rendered and duties performed such sum of money per annum as the City Council shall from time to time fix and determine."

SECTION 2. This ordinance shall take effect upon its passage.

IN COMMON COUNCIL, 6 mo. 8, 1899.

Passed to be ordained.

JOHN L. G. MASON, President.

IN BOARD OF ALDERMEN, June 8, 1899.

Passed to be ordained.

CHAS. S. ASHLEY, Mayor.

Approved 6 mo. 8, 1899.

CHAS. S. ASHLEY, Mayor.

A true copy. Attest :

DANIEL B. LEONARD, City Clerk.

In the Year One Thousand Eight Hundred and Ninety-Nine.

AN ORDINANCE

AMENDING AN ORDINANCE ENTITLED "AN ORDINANCE AMENDING SECTION TWO (2) OF CHAPTER XII OF THE ORDINANCES OF THE CITY OF NEW BEDFORD PASSED JUNE 9, 1898."

Be it Ordained by the City Council of the City of New Bedford as follows:

SECTION 1. Section one is hereby amended by striking out the following words in the sixth paragraph thereof, "or to at least one-half the distance to the next street running parallel thereto," so that said sixth paragraph shall read, "The first district shall include a distance of 100 feet on both sides of the streets included in said district."

SECTION 2. This ordinance shall take effect upon its passage.

IN COMMON COUNCIL, 6 mo. 22, 1899.

Passed to be ordained.

J. L. G. MASON, President.

IN BOARD OF ALDERMEN, June 22, 1899.

Passed to be ordained.

CHAS. S. ASHLEY, Mayor.

Approved June 23, 1899.

CHAS. S. ASHLEY, Mayor.

A true copy. Attest:

DANIEL B. LEONARD, City Clerk.

